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AT	1998-Aug-26	01130297.3	2002-Apr-10	EP 1195740	2017-Nov-22	1195740	2018-Aug-26	
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AT	2013-Oct-17	13818799.2	2015-Sep-02	EP 2912367	2018-Jan-03	2912367	2033-Oct-17	Yes
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CN	2001-Dec-03	01807029.9	2003-May-21	CN 1419797	2007-May-30	01807029.9	2021-Dec-03	
CN	2001-Dec-06	01805345.9	2003-Mar-19	CN 1404564	2005-Jun-29	01805345.9	2021-Dec-06	
CN	2001-Dec-12	01805639.3	2003-Mar-26	CN 1406450	2008-Jun-04	01805639.3	2021-Dec-12	
CN	2002-Jan-19	02106469.5	2002-Sep-25	CN 1370950	2006-Apr-12	02106469.5	2022-Jan-19	
CN	2002-Mar-14	02800705.0	2003-Nov-26	CN 1459216	2008-Feb-06	02800705.0	2022-Mar-14	
CN	2002-Mar-19	02800893.6	2003-Dec-03	CN 1460393	2009-May-20	02800893.6	2022-Mar-19	
CN	2002-Jun-07	02811453.1	2004-Jul-21	CN 1514919	2006-Feb-08	02811453.1	2022-Jun-07	
CN	2002-Jun-21	02813396.X	2004-Aug-18	CN 1522555	2008-Jun-04	02813396.X	2022-Jun-21	
CN	2002-Jul-23	02802991.7	2005-Jul-06	CN 1636280	2008-Apr-23	02802991.7	2022-Jul-23	
CN	2002-Aug-09	02815923.3	2004-Oct-27	CN 1541503	2008-Nov-05	02815923.3	2022-Aug-09	
CN	2002-Sep-30	02819551.5	2005-Jan-12	CN 1565147	2008-Jul-16	02819551.5	2022-Sep-30	
CN	2002-Nov-15	02824219.X	2005-Mar-23	CN 1600047	2008-Dec-24	02824219.X	2022-Nov-15	
CN	2002-Dec-18	02825834.7	2005-Apr-13	CN 1606766	2008-Nov-19	02825834.7	2022-Dec-18	
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CN	2003-Jun-12	200910165991.8	2010-Jul-14	CN 101776220	2012-Apr-11	ZL200910165991.8	2023-Jun-11	
CN	2003-Jun-12	03814939.7	2005-Aug-31	CN 1663323	2010-Jun-23	03814939.7	2023-Jun-11	
CN	2003-Sep-01	03820882.2	2005-Oct-05	CN 1679376	2010-Jun-16	03820882.2	2023-Aug-31	Yes
CN	2003-Sep-03	03821149.1	2005-Oct-12	CN 1682067			2023-Sep-03	
CN	2003-Nov-11	200380104180.8	2006-Jan-04	CN 1717958	2008-Dec-03	200380104180.8	2023-Nov-10	
CN	2003-Dec-08	200380106353.X	2006-Jan-25	CN 1726742	2009-Oct-28	200380106353.X	2023-Dec-07	Yes
CN	2003-Dec-11	200380106654.2	2006-Feb-01	CN 1729722	2010-Jun-09	200380106654.2	2023-Dec-10	
CN	2003-Dec-11	200380106660.8	2006-Mar-08	CN 1745603	2009-Nov-04	200380106660.8	2023-Dec-10	
CN	2003-Dec-18	200380107539.7	2006-Feb-08	CN 1732717	2009-May-27	200380107539.7	2023-Dec-17	
CN	2004-Jan-06	200480002217.0	2006-Feb-22	CN 1739264	2007-Dec-26	100358309	2024-Jan-05	Yes
CN	2004-Apr-21	201210470710.1	2013-Apr-03	CN 103017017	2019-May-14	201210470710.1	2024-Apr-21	
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CN	2004-Apr-22	200480012309.7	2006-Jun-07	CN 1784932	2011-Sep-28	200480012309.7	2024-Apr-21	
CN	2004-Apr-30	200480012040.2	2006-Jun-07	CN 1784930	2009-Aug-19	200480012040.2	2024-Apr-29	
CN	2004-Jun-10	200480016172.2	2004-Dec-23	CN1806145	2010-Jun-23	200480016172.2	2024-Jun-09	
CN	2004-Jul-21	200480027554.5	2006-Nov-01	CN 1857034	2009-Sep-23	200480027554.5	2024-Jul-20	
CN	2004-Aug-03	200480023236.1	2006-Sep-20	CN 1836406			2024-Aug-03	Yes
CN	2004-Aug-20	200480024713.6	2006-Oct-04	CN 1843004	2012-Jan-11	200480024713.6	2024-Aug-19	Yes

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CN	2005-Mar-23	200580011303.2	2007-Apr-04	CN 1942701	2010-May-05	200580011303.2	2025-Mar-22	
CN	2005-Apr-27	200580014515.6	2007-Apr-18	CN 1951157	2011-Feb-02	200580014515.6	2025-Apr-26	
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CN	2005-Aug-18	200580032526.7	2007-Aug-29	CN 101027794	2009-Dec-02	200580032526.7	2025-Aug-17	
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CN	2005-Nov-24	200580040875.3	2007-Oct-31	CN 101065997	2013-Jan-30	200580040875.3	2025-Nov-23	
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CN	2006-Apr-19	200680014386.5	2008-Apr-23	CN 101167408	2009-Sep-23	200680014386.5	2026-Apr-18	
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CN	2006-Jun-15	201510967519.1	2016-Apr-13	105490898-A	2020-Jan-31	201510967519.1	2026-Jun-14	Yes
CN	2006-Jun-15	200680022831.2	2008-Jun-25	CN 101208933			2026-Jun-15	Yes
CN	2006-Jul-05	200680025524.X	2008-Jul-16	CN 1012223823	2010-May-19	200680025524.X	2026-Jul-04	
CN	2006-Aug-22	200680031269.X	2008-Aug-27	CN 101253813	2010-Dec-08	200680031269.X	2026-Aug-21	
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CN	2006-Sep-25	200680035831.6	2009-Oct-07	CN 101554087	2013-Oct-23	200680035831.6	2026-Sep-24	
CN	2006-Oct-02	200680036937.8	2008-Oct-01	CN 101278469	2012-Nov-14	200680036937.8	2026-Oct-01	
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CN	2006-Nov-07	200680041863.7	2008-Nov-12	CN 101305242	2013-Apr-03	200680041863.7	2026-Nov-06	
CN	2006-Nov-13	200680042799.4	2008-Nov-19	CN 101310142	2013-Jan-02	200680042799.4	2026-Nov-12	
CN	2006-Nov-20	200680043725.2	2008-Nov-26	CN 101313171	2010-May-19	200680043725.2	2026-Nov-19	
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CN	2006-Dec-06	200680046928.7	2008-Dec-24	CN 101331802	2016-Oct-12	200680046928.7	2026-Dec-05	
CN	2006-Dec-11	200680046620.2	2008-Dec-17	CN 101326399	2011-Apr-20	200680046620.2	2026-Dec-10	
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CN	2006-Dec-13	200680048780.0	2009-Jan-14	CN 101346639	2012-Jun-20	200680048780.0	2026-Dec-12	
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CN	2007-Jan-26	200780004173.9	2009-Mar-04	CN 101379879	2011-Aug-17	200780004173.9	2027-Jan-25	
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CN	2007-Feb-26	201410081213.1	2011-Nov-23	CN102252222	2017-Mar-01	201410081213.1	2027-Feb-25	
CN	2007-Mar-02	200780008173.6	2009-Mar-25	CN 101395791	2012-Jul-04	200780008173.6	2027-Mar-01	
CN	2007-Mar-08	200780009376.7	2009-Apr-08	CN 101405538	2010-Oct-06	200780009376.7	2027-Mar-07	
CN	2007-Mar-08	200780009333.9	2009-Apr-08	CN 101406106	2011-Apr-13	200780009333.9	2027-Mar-07	Yes
CN	2007-Mar-12	200780009301.9	2009-Apr-08	CN 101406105	2010-Nov-10	200780009301.9	2027-Mar-11	
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CN	2007-May-02	200780017134.2	2009-May-27	CN 101444144	2013-Nov-06	200780017134.2	2027-May-01	
CN	2007-May-31	200780020490.X	2009-Jun-17	CN 101461287			2027-May-31	

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CN	2007-Jun-22	200780024126.0	2009-Jul-08	CN 101480106	2012-Jul-04	200780024126.0	2027-Jun-21	Yes
CN	2007-Jul-05	200780029567.X	2009-Aug-05	CN 101501392	2011-Nov-30	200780029567.X	2027-Jul-04	
CN	2007-Jul-10	200780028427.0	2009-Jul-29	CN 101496448	2013-Jan-09	200780028427.0	2027-Jul-09	Yes
CN	2007-Aug-09	200780049308.3	2010-Feb-17	CN 101653041	2013-Oct-23	200780049308.3	2027-Aug-09	
CN	2007-Aug-17	200780030549.3	2009-Aug-12	CN 101506574	2012-Dec-05	200780030549.3	2027-Aug-16	
CN	2007-Aug-22	200780031358.9	2009-Aug-12	CN 101507363	2012-Dec-26	200780031358.9	2027-Aug-21	
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CN	2007-Sep-18	200780036333.8	2009-Sep-02	CN 101523979	2011-May-04	200780036333.8	2027-Sep-17	Yes
CN	2007-Sep-20	200780037138.7	2009-Sep-02	CN 101523981			2027-Sep-20	
CN	2007-Sep-20	200780037394.6	2009-Sep-02	CN 101523982	2012-Mar-14	200780037394.6	2027-Sep-19	
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CN	2007-Nov-08	200780042537.2	2009-Sep-16	CN 101536610	2013-May-01	200780042537.2	2027-Nov-07	
CN	2007-Nov-09	200780041888.1	2009-Dec-30	CN 101617565	2011-Nov-02	200780041888.1	2027-Nov-09	
CN	2007-Nov-27	200780043933.7	2010-Jan-13	CN 101627253	2011-May-18	200780043933.7	2027-Nov-27	
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CN	2007-Dec-10	200780046279.5	2009-Oct-14	CN 101558439			2027-Dec-10	
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CN	2007-Dec-14	200780047121.X	2009-Oct-21	CN 101563957	2013-Nov-06	200780047121.X	2027-Dec-13	Yes
CN	2007-Dec-17	200780047557.9			2012-Nov-07	200780047557.9	2027-Dec-16	
CN	2008-Mar-12	201310120809.3			2015-Sep-02	201310120809.3	2028-Mar-11	
CN	2008-Mar-12	200880008270.X			2013-Oct-14	200880008270.X	2028-Mar-11	Yes
CN	2008-Mar-12	200880008301.1			2016-Sep-28	200880008301.1	2028-Mar-11	
CN	2008-Mar-12	201610671816.6	2017-Jan-04	CN 106304474	2018-Oct-30	201610671816.6	2028-Mar-11	
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CN	2008-Mar-19	200880009845.X	2010-Feb-03	CN 101641549			2028-Mar-19	
CN	2008-Mar-31	200880011084.1	2010-Mar-03	CN 101663919	2013-Jul-24	200880011084.1	2028-Mar-30	
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CN	2008-Apr-11	200880012508.6	2010-Mar-03	CN 101663769	2013-Feb-06	200880012508.6	2028-Apr-10	
CN	2008-Apr-21	200880013685.6	2010-Mar-10	CN 101669404	2012-Mar-28	ZL200880013685.6	2028-Apr-20	
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CN	2008-Apr-23	200880014324.3	2010-Mar-17	CN 101675711	2013-Jan-02	200880014324.3	2028-Apr-22	
CN	2008-Apr-28	200880014646.8	2010-Mar-17	CN 101675712	2015-Nov-25	200880014646.8	2028-Apr-27	
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CN	2008-May-01	200880014392.X	2010-Mar-17	CN 101675288			2028-May-01	
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CN	2008-May-02	200880014787.X	2010-Mar-17	CN 101675290	2012-Dec-26	200880014787.X	2028-May-01	
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CN	2008-May-22	200880018068.5	2010-Mar-24	CN 101678209			2028-May-22	Yes
CN	2008-May-26	200880018327.4	2010-Mar-24	CN 101681059	2014-Mar-05	200880018327.4	2028-May-25	
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CN	2008-Aug-28	200880105364.9	2010-Aug-04	CN 101795860	2015-Jan-21	200880105364.9	2028-Aug-27	Yes
CN	2008-Sep-16	200880108802.7	2010-Aug-18	CN 101809366	2013-Jan-02	200880108802.7	2028-Sep-15	
CN	2008-Sep-22	200880112539.9	2009-Mar-26	WO 2009/039491	2014-Nov-05	200880112539.9	2028-Sep-21	
CN	2008-Sep-25	200810149743.X	2010-Mar-31	CN 101686587 A	2015-Jan-28	200810149743.X	2028-Sep-24	
CN	2008-Oct-08	200880110804.X	2011-Aug-10	CN 102149960	2014-May-07	200880110804.X	2028-Oct-08	
CN	2008-Nov-03	200880114523.1	2010-Sep-29	CN 101849430	2012-Jul-18	200880114523.1	2028-Nov-02	
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CN	2008-Dec-02	200880119151.1	2010-Nov-17	CN 101889476	2012-Jul-18	200880119151.1	2028-Dec-02	
CN	2008-Dec-16	200880121633.0	2010-Dec-01	CN 101903825			2028-Dec-16	
CN	2008-Dec-16	200880121687.7	2010-Dec-01	CN 101904222	2014-Jun-04	200880121687.7	2028-Dec-15	Yes
CN	2008-Dec-22	200880122363.5	2010-Dec-08	CN 101910721	2013-Sep-25	200880122363.5	2028-Dec-21	
CN	2008-Dec-29	200880127692.9	2011-Jan-26	CN 101960921	2014-Jan-08	200880127692.9	2028-Dec-28	
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CN	2009-Apr-03	200980121068.2	2011-May-11	CN 102057752	2016-Jun-08	200980121068.2	2029-Apr-02	
CN	2009-Apr-21	200980115579.3	2011-Apr-13	CN 102017795	2014-Mar-05	200980115579.3	2029-Apr-20	
CN	2009-Apr-29	200980116143.6	2011-Apr-13	CN 102017796	2013-Jun-19	200980116143.6	2029-Apr-28	
CN	2009-May-20	200980120114.7	2011-May-04	CN 102047156	2014-Mar-26	200980120114.7	2029-May-19	
CN	2009-May-27	200980120930.8	2011-May-11	CN 102057722	2014-Mar-05	200980120930.8	2029-May-26	Yes
CN	2009-Jun-03	200980121770.9	2011-May-11	CN 102057753	2013-Nov-06	200980121770.9	2029-Jun-02	Yes
CN	2009-Jun-12	200980122021.8	2011-Jul-20	102132088			2029-Jun-12	
CN	2009-Jul-03	200980126862.6	2011-Jun-08	CN 102088840	2014-Mar-05	200980126862.6	2029-Jul-02	Yes
CN	2009-Jul-10	200980126642.3	2011-Jun-08	CN 102089578	2016-May-11	200980126642.3	2029-Jul-09	
CN	2009-Jul-22	200980129902.2	2011-Jun-29	CN 102113410-	2013-Nov-06	200980129902.2	2029-Jul-21	
CN	2009-Jul-22	200980129904.1	2011-Jun-29	CN 102113411	2015-May-20	200980129904.1	2029-Jul-21	
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CN	2009-Aug-13	200980140502.1	2010-Feb-18	WO2010-019810	2016-Oct-26	200980140502.1	2029-Aug-12	
CN	2009-Aug-24	200980134929.0	2011-Aug-24	CN 102144430	2016-Sep-07	200980134929.0	2029-Aug-24	
CN	2009-Aug-31	201510371676.6	2015-Sep-30	CN 104955232	2018-Feb-27	201510371676.6	2029-Aug-30	Yes
CN	2009-Aug-31	201510369182.4			2018-Jun-15	201510369182.4	2029-Aug-30	Yes
CN	2009-Aug-31	200980143361.9			2015-Jul-29	200980143361.9	2029-Aug-30	Yes
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CN	2009-Nov-27	200980149425.6	2011-Nov-16	CN 102246600	2015-Jan-14	200980149425.6	2029-Nov-26	
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CN	2010-Jan-12	201080006370.6	2012-Jan-06	CN 102301824	2016-Jan-13	201080006370.6	2030-Jan-11	Yes
CN	2010-Feb-02	201080006746.3	2012-Jan-04	CN 102308384	2015-Jun-17	201080006746.3	2030-Feb-01	
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CN	2010-Mar-15	201080013707.6	2012-Feb-22	102362554-A	2014-Nov-12	201080013707.6	2030-Mar-14	
CN	2010-Mar-30	201080015196.1	2012-Mar-14	CN 102378928	2014-Aug-13	201080015196.1	2030-Mar-29	
CN	2010-Mar-31	201080015179.8	2012-Mar-14	102378801-A	2014-Jun-04	201080015179.8	2030-Mar-30	
CN	2010-Apr-01	201080017771.1	2012-Apr-11	CN 102415077	2014-Sep-24	201080017771.1	2030-Mar-31	
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CN	2010-Apr-23	201080019874.1	2012-May-22	CN 102439351			2030-Apr-23	
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CN	2010-May-31	201080024819.1	2012-May-16	CN 102461336	2015-Apr-22	201080024819.1	2030-May-30	Yes
CN	2010-Jun-04	201080034802.4	2012-Nov-28	CN 102804493	2015-Apr-29	201080034802.4	2030-Jun-03	
CN	2010-Jun-09	201080027146.5	2012-May-16	CN 102460560	2015-Apr-01	CN201080027146.5	2030-Jun-08	
CN	2010-Jun-11	201080027126.8	2012-Nov-28	CN 102803845	2019-May-21	201080027126.8	2030-Jun-10	
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CN	2010-Jul-07	201080032098.9	2012-May-23	CN 102473379	2016-Sep-21	201080032098.9	2030-Jul-06	
CN	2010-Jul-13	201010228247.0					2011-Aug-13	Yes
CN	2010-Jul-14	201080033508.1	2012-May-30	CN 102484914	2015-Apr-22	201080033508.1	2030-Jul-13	
CN	2010-Jul-19	201080033334.9	2012-May-23	CN 102474951	2015-Jan-14	201080033334.9	2030-Jul-18	
CN	2010-Jul-21	201080034046.5	2012-Jun-13	CN 102498752	2015-Jan-14	201080034046.5	2030-Jul-20	Yes
CN	2010-Jul-27	201080033501.X	2012-May-23	CN 102474933	2015-Sep-30	201080033501.X	2030-Jul-26	
CN	2010-Aug-10	201080068037.8	2013-Mar-27	CN 103004290	2016-Nov-16	201080068037.8	2030-Aug-09	Yes
CN	2010-Aug-13	CN 201080046880.6	2012-Jul-25	CN102612791A	2015-Apr-08	201080046880.6	2030-Aug-12	
CN	2010-Aug-13	CN 201080046791.1	2012-Jul-25	CN 102612862	2015-Jun-03	201080046791.1	2030-Aug-12	Yes
CN	2010-Aug-13	201510072474.1	2015-Jun-17	CN104717803	2017-Sep-05	201510072474.1	2030-Aug-12	
CN	2010-Aug-13	CN 201510214363.X	2015-Aug-26	CN 104869703	2018-Jun-26	CN 201510214363	2030-Aug-12	Yes

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CN	2010-Aug-18	201080038004.9	2012-May-30	CN 102484918	2015-Apr-01	201080038004.9	2030-Aug-17	Yes
CN	2010-Aug-30	201080039304.9	2012-May-30	CN 102483193			2030-Aug-30	
CN	2010-Sep-01	201080039303.4	2012-May-30	CN 102484919	2015-May-13	201080039303.4	2030-Aug-31	
CN	2010-Sep-07	201080041547.6	2012-Jul-18	102598855-A	2015-Dec-09	201080041547.6	2030-Sep-06	
CN	2010-Sep-09	201080008845.5	2012-Jan-18	CN 102326024			2030-Sep-09	
CN	2010-Sep-10	201080041630.3	2012-Jul-11	CN 102577635	2015-Mar-25	201080041630.3	2030-Sep-09	Yes
CN	2010-Sep-13	201080041323.5	2012-Jul-04	CN 102549333	2014-Dec-10	201080041323.5	2030-Sep-12	
CN	2010-Sep-24	201080043538.0	2012-Jun-20	CN 102511201	2014-Sep-10	201080043538.0	2030-Sep-23	Yes
CN	2010-Oct-07	201080055455.3	2012-Aug-22	CN 102648664	2015-Apr-22	201080055455.3	2030-Oct-06	
CN	2010-Oct-18	201080048262.5	2012-Sep-12	CN 102668710	2014-Jun-18	201080048262.5	2030-Oct-17	
CN	2010-Oct-26	201080047431.3	2012-Jul-11	CN0102577624	2015-Jan-07	201080047431.3	2030-Oct-25	
CN	2010-Oct-29	201080050243.6	2012-Jul-18	CN 102598870	2015-Nov-25	201080050243.6	2030-Oct-28	
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CN	2010-Dec-13	201080060690.X	2012-Sep-19	CN 102686940	2016-Dec-21	201080060690.X	2030-Dec-12	
CN	2011-Feb-28	201180011969.3	2012-Nov-21	CN 102792086			2031-Feb-28	
CN	2011-Mar-01	201180014418.2	2013-Jan-23	CN 102870497	2016-Mar-02	201180014418.2	2031-Feb-28	Yes
CN	2011-Mar-11	201180015737.5	2012-Dec-05	CN 102812781	2016-May-11	201180015737.5	2031-Mar-10	
CN	2011-Apr-01	201180018239.6	2012-Dec-05	CN 102812290	2016-Aug-03	201180018239.6	2031-Mar-31	
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CN	2011-Apr-13	201180028543.9	2013-Mar-27	CN103003629	2017-Jul-18	201180028543.9	2031-Apr-12	Yes
CN	2011-Apr-13	201610148073.4	2016-Jul-20	CN 105782930	2019-Sep-24	201610148073.4	2031-Apr-13	Yes
CN	2011-Apr-22	201180021029.2	2013-Jan-02	CN 102860129	2016-Apr-13	201180021029.2	2031-Apr-21	
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CN	2011-Jun-16	201180030113.0	2013-Feb-27	CN 102948258	2016-Aug-03	201180030113.0	2031-Jun-15	
CN	2011-Jun-20	201180033111.7	2013-Mar-13	CN 102972098	2016-Jan-20	201180033111.7	2031-Jun-19	Yes
CN	2011-Jun-24	201180035521.5	2013-Mar-27	CN 103004036	2015-Dec-16	2011800355215	2031-Jun-23	
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CN	2011-Jul-14	201180035519.8	2013-Mar-27	CN 103003618	2017-Feb-08	201180035519.8	2031-Jul-13	
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CN	2011-Aug-11	201180039708.2	2013-May-15	CN 103109127	2016-Apr-20	201180039708.2	2031-Aug-10	
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CN	2011-Sep-19	201410511063.3	2014-Dec-31	104251462	2016-Oct-26	201410511063.3	2031-Sep-18	Yes
CN	2011-Sep-19	201180046901.9	2013-Jul-10	CN 103201555	2016-May-11	201180046901.9	2031-Sep-18	Yes
CN	2011-Oct-27	201120415687.7			2012-Aug-08	201120415687.7	2021-Oct-27	
CN	2011-Nov-15	201180056689.4	2013-Jul-24	CN 103222339	2016-Mar-16	201180056689.4	2031-Nov-14	
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CN	2011-Nov-22	201180056192.2	2013-Aug-28	CN 103270811	2016-Jun-08	201180056192.2	2031-Nov-21	
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CN	2011-Dec-14	201180062420.7	2013-Sep-11	CN 103299713	2016-Aug-24	201180062420.7	2031-Dec-13	Yes
CN	2011-Dec-16	201180067689.4			2016-Jun-15	201180067689.4	2031-Dec-15	Yes
CN	2012-Jan-11	201280005383.0	2013-Sep-18	CN 103314257	2017-Apr-26	201280005383.0	2032-Jan-10	
CN	2012-Jan-20	CN201280009746.8	2014-Apr-09	CN 103718411	2016-Nov-09	201280009746.8	2032-Jan-19	Yes
CN	2012-Feb-01	201280007656.5	2013-Nov-20	CN 103403439	2016-Oct-19	201280007656.5	2032-Jan-31	
CN	2012-Mar-12	201280013696.0	2013-Dec-11	CN 103444263	2016-Sep-21	201280013696.0	2032-Mar-11	
CN	2012-Mar-15	201280014767.9	2014-Jan-08	CN 103502728	2019-Jan-01	201280014767.9	2032-Mar-14	Yes
CN	2012-Mar-16	201280016138.X	2013-Dec-25	CN 103477148	2016-Aug-17	201280016138.X	2032-Mar-15	
CN	2012-Mar-22	201280016491.8	2013-Dec-18	CN 103459921	2016-Nov-02	201280016491.8	2032-Mar-21	
CN	2012-Mar-23	201280016613.3	2013-Dec-04	CN 103430627	2015-Nov-25	201280016613.3	2032-Mar-22	
CN	2012-Mar-27	201280016137.5	2013-Dec-25	CN 103477710	2016-Dec-28	201280016137.5	2032-Mar-26	
CN	2012-Mar-28	201280016145.X	2013-Dec-18	CN 103460801	2016-Jun-08	201280016145.X	2032-Mar-27	Yes
CN	2012-Mar-28	201280017097.6	2013-Dec-18	CN 103460802	2016-Aug-17	201280017097.6	2032-Mar-27	Yes
CN	2012-Apr-03	201280027177.X	2014-Feb-12	CN 103582689	2017-Mar-01	201280027177.X	2032-Apr-02	
CN	2012-Apr-17	201280021948.4	2014-Jan-08	CN 103503179	2016-Nov-02	201280021948.4	2032-Apr-16	
CN	2012-May-11	201280024008.0	2014-Jan-29	CN 103548419	2016-Oct-26	201280024008.0	2032-May-10	Yes
CN	2012-May-14	201280023861.0	2014-Jan-22	CN 103535114	2016-Nov-16	201280023861.0	2032-May-13	
CN	2012-May-30	201280026293.X	2014-Feb-05	CN 103562624	2017-Jan-18	201280026293.X	2032-May-29	Yes
CN	2012-May-31	201280029102.5	2014-Feb-19	103597279A	2016-Aug-31	201280029102.5	2032-May-31	Yes
CN	2012-Jun-11	201280029103.X	2014-Feb-26	CN 103609201	2017-Jan-18	201280029103.X	2032-Jun-10	Yes
CN	2012-Jun-13	201280029662.0	2014-Mar-12	CN 103635743	2017-Apr-12	201280029662.0	2032-Jun-12	Yes
CN	2012-Jun-15	201280029661.6	2014-Mar-12	CN 103636011	2017-Oct-27	201280029661.6	2032-Jun-14	Yes
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CN	2012-Jul-05	201280034538.3	2014-Mar-19	CN 103650279	2016-Dec-14	201280034538.3	2032-Jul-04	

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CN	2012-Aug-03	201280038135.6	2014-Apr-09	103717964A	2017-Jun-27	201280038135.6	2032-Aug-02	Yes
CN	2012-Aug-30	201280055777.7	2014-Jul-23	CN 103947289	2017-Mar-01	201280055777.7	2032-Aug-29	
CN	2012-Sep-11	201280046547.4	2014-May-28	CN 103827578	2019-Jun-07	201280046547.4	2032-Sep-10	Yes
CN	2012-Sep-11	201210333589.8	2013-Aug-04	CN 103249214	2017-Jul-04	201210333589.8	2032-Sep-10	Yes
CN	2012-Sep-11	201280046179.3	2014-May-14	CN 103797641	2017-Jan-18	201280046179.3	2032-Sep-10	Yes
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CN	2012-Nov-16	201280056423.4	2014-Jul-16	CN 103930714	2016-Aug-24	201280056423.4	2032-Nov-15	
CN	2012-Dec-04	201280061479.9	2014-Aug-13	CN 103988110	2018-Sep-28	201280061479.9	2032-Dec-03	Yes
CN	2012-Dec-10	201280063925.X	2014-Aug-20	CN 103998855	2018-May-08	201280063925.X	2032-Dec-09	Yes
CN	2012-Dec-11	201280061477.X	2014-Oct-15	CN 104106018	2017-Sep-01	201280061477.X	2032-Dec-10	
CN	2013-Jan-02	201380004266.7	2014-Aug-27	CN 104012178	2017-Mar-15	201380004266.7	2033-Jan-01	
CN	2013-Jan-02	201380003666.6	2014-Nov-05	CN 104137650	2017-Feb-22	201380003666.6	2033-Jan-01	
CN	2013-Jan-04	201380004862.5	2014-Oct-22	CN 104115385	2017-Jul-21	201380004862.5	2033-Jan-03	Yes
CN	2013-Jan-10	201710265967.6	2017-Aug-22	CN 107084318	2020-Jul-28	201710265967.6	2033-Jan-09	
CN	2013-Jan-10	201380005278.1	2014-Sep-10	CN 104040242	2018-Sep-25	201380005278.1	2033-Jan-09	
CN	2013-Jan-18	201380007633.9	2014-Oct-22	CN 104115559	2017-May-10	201380007633.9	2033-Jan-17	
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CN	2013-Feb-08	201380004446.5	2014-Sep-03	CN 104025711	2016-Aug-24	201380004446.5	2033-Feb-07	
CN	2013-Feb-22	201380013185.3	2014-Nov-12	CN 104145529	2016-Nov-16	201380013185.3	2033-Feb-21	
CN	2013-Feb-22	201380010771.2	2014-Nov-05	CN 104137652	2017-Jun-30	201380010771.2	2033-Feb-21	
CN	2013-Mar-04	201380012971.1	2014-Nov-19	CN 104160787	2017-Aug-01	201380012971.1	2033-Mar-03	Yes
CN	2013-Mar-06	201380013742.1	2014-Dec-24	CN 104246358	2018-Apr-06	201380013742.1	2033-Mar-05	Yes
CN	2013-Mar-07	201380016846.8	2014-Dec-10	CN 104206013	2017-Jul-04	201380016846.8	2033-Mar-06	
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CN	2013-May-06	201380025576.7	2015-Jan-21	CN 104303597	2017-Dec-15	201380025576.7	2033-May-05	Yes
CN	2013-May-08	201380024392.9	2015-Jan-07	CN 104272872	2017-May-10	201380024392.9	2033-May-07	Yes
CN	2013-May-21	201380030046.1	2015-Feb-04	CN 104334966	2016-Oct-12	201380030046.1	2033-May-20	Yes
CN	2013-May-22	201380029599.5	2015-Feb-18	CN 104364874	2016-Dec-14	201380029599.5	2033-May-21	
CN	2013-May-28	201380027974.2	2015-Jan-28	CN 104322148	2016-Nov-23	201380027974.2	2033-May-27	Yes
CN	2013-Jun-04	201320321844.7			2014-Jun-25	201320321844.7	2023-Jun-03	Yes
CN	2013-Jun-04	201310225938.9	2013-Dec-25	CN 103470970	2018-Jan-12	201310225938.9	2033-Jun-03	Yes
CN	2013-Jun-17	201380025221.8	2015-Jan-21	CN 104303406	2017-Apr-12	201380025221.8	2033-Jun-16	
CN	2013-Jun-17	201320348198.3			2014-Apr-09	201320348198.3	2023-Jun-16	
CN	2013-Jun-18	201380034286.9	2015-Mar-18	CN 104429161	2017-Oct-31	201380034286.9	2033-Jun-17	Yes
CN	2013-Jun-26	201380034179.6	2015-Mar-18	CN 104429160	2017-Aug-25	201380034179.6	2033-Jun-25	
CN	2013-Jul-04	201811359764.4	2019-Apr-12	CN 109618445	2023-Feb-21	201811359764.4		Yes
CN	2013-Jul-09	201380036913.2	2015-Mar-11	CN 104412715	2017-May-17	201380036913.2	2033-Jul-08	Yes
CN	2013-Jul-10	201380036783.2	2015-Mar-25	CN 104472026	2018-Jun-01	201380036783.2	2033-Jul-09	
CN	2013-Jul-12	201380038660.2	2015-Apr-01	CN 104488361	2017-Mar-08	201380038660.2	2033-Jul-11	Yes
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CN	2013-Jul-15	201380039989.0	2015-Apr-01	CN 104488357	2017-Aug-01	201380039989.0	2033-Jul-14	Yes
CN	2013-Jul-24	201380039731.0			2017-Nov-03	201380039731.0	2033-Jul-23	
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CN	2013-Sep-24	201380026814.6	2015-Jan-28	CN 104322147	2017-Nov-21	201380026814.6	2033-Sep-23	
CN	2013-Oct-17	201380055754.0	2015-Jul-01	CN 104755831	2018-Nov-20	201380055754.0	2033-Oct-16	Yes
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CN	2013-Dec-02	201380065409.5	2015-Aug-26	CN 104871642	2017-Jul-07	201380065409.5	2033-Dec-01	
CN	2013-Dec-05	201380072263.7	2015-Oct-07	CN 104969001	2018-Nov-20	201380072263.7	2033-Dec-04	
CN	2014-Jan-03	201480004311.3	2015-Sep-02	CN 104885572	2017-Sep-26	201480004311.3	2034-Jan-02	Yes
CN	2014-Jan-29	201480006412.4	2015-Oct-07	CN 104968256	2017-Oct-27	201480006412.4	2034-Jan-28	Yes
CN	2014-Feb-17	201480009325.4	2015-Oct-28	CN 105008788	2019-Feb-19	201480009325.4	2034-Feb-16	Yes

CTY	Filing Date	Application No.	Pub. Date	Pub. No.	Grant Date	Grant No.	Expiry date	Additional Patent
CN	2014-Mar-12	201480016910.7	2015-Dec-23	CN 105191505	2019-Jan-15	201480016910.7	2034-Mar-11	Yes
CN	2014-Mar-12	201480014320.0	2015-Oct-28	CN 105008796	2018-Jun-29	201480014320.0	2034-Mar-11	
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CN	2014-Apr-21	201480025186.4	2015-Dec-23	CN 105191498	2018-Mar-30	201480025186.4	2034-Apr-20	Yes
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CN	2014-Apr-30	201480024976.0	2015-Dec-30	CN 105210457	2019-Mar-08	201480024976.0	2034-Apr-29	Yes
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CN	2014-Jun-05	201480033158.7	2016-Jan-20	CN 105265022	2018-Apr-06	201480033158.7	2034-Jun-04	Yes
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CN	2014-Jun-27	201480038206.1	2016-Feb-24	CN 105359627	2018-Aug-17	201480038206.1	2034-Jun-26	Yes
CN	2014-Jul-03	201480042077.3	2016-Mar-16	CN 105408675	2019-Feb-19	201480042077.3	2034-Jul-02	Yes
CN	2014-Jul-09	201480043272.8	2016-Mar-23	CN 105432145	2018-Jan-26	201480043272.8	2034-Jul-08	
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CN	2014-Jul-23	201480043274.7	2016-Mar-23	CN 105432146	2018-Jun-08	201480043274.7	2034-Jul-22	
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CN	2014-Aug-18	201480036351.6	2016-Feb-10	CN 105325059	2017-Mar-08	201480036351.6	2034-Aug-17	Yes
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CN	2014-Oct-14	201480056721.2	2016-Jun-01	CN 105637979	2018-Nov-30	201480056721.2	2034-Oct-13	
CN	2014-Oct-24	201480061152.0	2016-Jun-22	CN 105706532	2017-Nov-21	201480061152.0	2034-Oct-23	
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CN	2014-Dec-05	201480066454.7	2016-Jul-20	CN 105794317	2018-Nov-09	201480066454.7	2034-Dec-04	Yes
CN	2014-Dec-11	201480025163.3	2015-Dec-16	CN 105164464	2017-Mar-01	201480025163.3	2034-Dec-10	Yes
CN	2014-Dec-23	201810119534.4	2018-Aug-03	CN 108361571				
CN	2014-Dec-31	201480072726.4	2016-Sep-21	CN 105960831	2019-Feb-26	201480072726.4	2034-Dec-30	Yes
CN	2015-Jan-15	201580006623.2	2016-Nov-09	CN 106102458	2020-May-19	201580006623.2	2035-Jan-14	Yes
CN	2015-Jan-21	201580006630.2	2016-Nov-23	CN 106165544	2019-Jul-16	201580006630.2	2035-Jan-20	Yes
CN	2015-Jan-26	201580006383.6	2016-Sep-14	CN 105940263	2020-May-29	201580006383.6	2035-Jan-26	Yes
CN	2015-Jan-27	201580004843.1	2016-Sep-28	CN 105980769	2019-Mar-01	201580004843.1	2035-Jan-26	Yes
CN	2015-Jan-30	201580006628.5	2016-Oct-26	CN 106062842	2019-Nov-05	201580006628.5	2035-Jan-29	Yes
CN	2015-Feb-03	201580002967.6	2016-Jul-20	CN 105793641	2017-Jun-20	201580002967.6	2035-Feb-02	
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CN	2015-Feb-13	201580010960.9	2016-Nov-23	CN 106165537	2019-Jan-01	201580010960.9	2035-Feb-12	Yes
CN	2015-Feb-16	201580011079.0	2016-Nov-23	CN 106165538	2018-Nov-30	201580011079.0	2035-Feb-15	
CN	2015-Feb-23	201580003071.X	2018-Feb-27	CN 105830216	2018-Feb-27	201580003071.X	2035-Feb-22	
CN	2015-Mar-11	201580001004.4	2016-Jan-27	CN 105283706	2017-Mar-15	201580001004.4	2035-Mar-10	Yes
CN	2015-Mar-12	201580015984.3	2017-May-10	106664755	2018-Oct-02	201580015984.3	2035-Mar-11	Yes
CN	2015-Mar-17	201580025538.0	2017-Mar-22	106538063-A	2019-Nov-01	201580025538.0	2035-Mar-16	Yes
CN	2015-Apr-28	201580024891.7	2017-Feb-22	CN 106465498	2018-Sep-21	201580024891.7	2035-Apr-27	Yes
CN	2015-May-14	201520313070.2			2016-Jan-20	201520313070.2	2025-May-13	Yes
CN	2015-May-27	201580031054.7	2017-May-24	CN 106717115	2018-Dec-07	201580031054.7	2035-May-26	Yes
CN	2015-May-28	201580029224.8	2017-Feb-22	CN 106461165 A	2019-Oct-08	201580029224.8	2035-May-27	
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CN	2015-Jun-08	201580002837.2	2016-Jul-20	CN 105794318	2018-Jan-16	201580002837.2	2035-Jun-07	
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CN	2015-Jun-24	201580036637.9	2017-Mar-01	106471710	2020-Sep-29	201580036637.9	2035-Jun-23	
CN	2015-Jul-02	201580016489.4	2016-Nov-23	CN 106164584	2019-Jan-18	201580016489.4	2035-Jul-01	Yes
CN	2015-Jul-06	201580037128.8	2017-Aug-18	CN 107079545	2019-Mar-08	201580037128.8	2035-Jul-05	Yes
CN	2015-Jul-08	201580038771.2	2017-Aug-18	CN 107079562	2019-Jul-09	201580038771.2	2035-Jul-07	Yes
CN	2015-Jul-10	201580039915.6	2017-Mar-22	106537027-A	2020-Feb-11	201580039915.6	2035-Jul-10	Yes
CN	2015-Jul-10	201580038761.9	2017-Aug-18	CN 107079546	2020-Apr-21	201580038761.9	2035-Jul-09	Yes
CN	2015-Jul-14	201580041816.1	2017-May-10	CN106662296A	2019-May-31	201580041816.1	2035-Jul-13	Yes
CN	2015-Jul-16	201580039897.1	2017-Mar-22	106537025-A	2020-Feb-21	201580039897.1	2035-Jul-16	
CN	2015-Sep-18	201580052805.3	2017-May-24	CN 106716269	2020-Nov-10	201580052805.3	2035-Sep-18	Yes
CN	2015-Sep-23	201580052871.0	2017-May-24	CN 106716270	2020-Sep-08	201580052871.0	2035-Sep-23	Yes
CN	2015-Sep-30	201580053668.5	2017-Aug-29	CN 107110470	2019-Oct-25	201580053668.5	2035-Sep-30	
CN	2015-Oct-27	201580059605.0	2017-Aug-18	CN 107079555	2019-Jul-26	201580059605.0	2035-Oct-26	Yes
CN	2015-Nov-03	201580059874.7	2017-Sep-08	CN 107148804	2020-Feb-28	201580059874.7	2035-Nov-03	
CN	2015-Nov-03	201911374569.3	2020-Feb-28	CN 110856304	2021-Dec-17	2019113745693	2035-Nov-02	
CN	2016-Mar-11	201680085440.9	2019-Feb-05	CN 109315051	2021-Jul-09	2016800854409	2036-Mar-10	Yes
CN	2016-Apr-04	201680020930.0	2017-Dec-05	CN 107439055	2019-Aug-02	201680020930.0	2036-Apr-03	
CN	2016-Apr-07	201680020911.8	2018-Jan-26	CN 107637176	2020-Jan-17	201680020911.8	2036-Apr-06	Yes
CN	2016-Apr-20	201680023925.5	2018-Jan-23	CN 107624267	2019-Nov-15	201680023925.5	2036-Apr-20	
CN	2016-May-18	201680032200.2	2018-Feb-16	CN 107710872	2019-Nov-22	201680032200.2	2036-May-18	

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CN	2016-Jun-08	201680035802.3	2018-Mar-06	CN 107771414	2020-May-19	201680035802.3	2036-Jun-08	Yes
CN	2016-Aug-05	201680050530.4	2018-May-11	CN 108027111				
CN	2016-Aug-09	201680049693.0	2018-May-11	CN 108029180	2020-May-19	201680049693.0	2036-Aug-08	Yes
CN	2016-Aug-24	201680053997.4	2018-Jun-08	CN 108141943	2020-Mar-24	201680053997.4	2036-Aug-23	Yes
CN	2016-Oct-12	201680063824.0	2018-Jul-31	CN 108350354	2021-Aug-10	2016800638240	2036-Oct-11	Yes
CN	2016-Oct-17	201680062037.4	2018-Aug-03	CN 108370624	2020-May-15	201680062037.4	2036-Oct-16	Yes
CN	2016-Nov-22	201680068489.3	2018-Jul-17	CN 108293287	2020-Jun-12	201680068489.3	2036-Nov-22	
CN	2016-Dec-01	201680073422.9	2018-Sep-28	CN 108605400	2021-Mar-23	201680073422.9	2036-Nov-30	Yes
CN	2016-Dec-07	201680074056.9	2018-Aug-31	CN 108476417	2021-Dec-07	201680074056.9	2036-Dec-06	Yes
CN	2017-Mar-20	201780019200.3	2018-Nov-23	CN 108886862	2020-Jun-30	201780019200.3	2037-Mar-19	Yes
CN	2017-Mar-29	201780040719.X		WO2017/204898	2021-Mar-12	201780040719.X	2037-Mar-28	
CN	2017-Apr-19	201780024818.9	2018-Dec-21	CN 109076684	2020-Oct-27	201780024818.9	2037-Apr-18	Yes
CN	2017-May-22	201780035571.0	2019-Feb-12	CN 109328282	2021-Mar-23	201780035571.0	2037-May-21	Yes
CN	2017-Jul-27	201780049366.X	2019-May-21	CN 109792821	2021-Dec-07	201780049366.X	2037-Jul-26	Yes
CN	2017-Aug-04	201780058564.2	2019-May-21	CN 109790962 A	2020-Nov-06	201780058564.2	2037-Aug-03	Yes
CN	2017-Oct-10	201780064140.7	2019-Jun-04	CN 109845408	2021-Nov-30	201780064140.7	2037-Oct-09	Yes
CN	2017-Dec-21	201780084749.0	2019-Sep-13	CN 110235523				Yes
CN	2018-Feb-09	201880011435.2	2019-Oct-08	CN 110312897	2021-Jul-06	201880011435.2	2038-Feb-09	Yes
CN	2018-Feb-19	201880015195.3	2019-Oct-18	CN 110352316				Yes
CN	2018-Apr-27	201880029590.7	2020-Jan-24	110730884A			2038-Apr-27	Yes
CN	2019-Oct-21	201980071759.X	2021-Jun-15	CN 112969885				Yes
CZ	2003-Aug-28	03791823.2		EP 1535495	2010-Jan-13	1535495	2023-Aug-28	
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CZ	2004-Apr-21	18182693.4	2018-Dec-26	EP 3419388	2020-Jun-17	3419388	2024-Apr-21	
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CZ	2005-Dec-02	05815525.0			2017-Oct-04	1842399	2025-Dec-02	
CZ	2006-Jan-05	06701369.8	2007-Oct-24	EP 1846949	2018-Aug-22	1846949	2026-Jan-05	
CZ	2006-May-08	06770064.1	2008-Oct-29	EP 1984667	2017-Aug-23	1984667	2026-May-08	
CZ	2006-May-24	06765708.0		EP 1889519	2009-Mar-18	1889519	2026-May-24	
CZ	2007-May-31	15177109.4	2016-Mar-23	EP 2999314	2020-Nov-18	2999314	2027-May-31	
CZ	2007-Nov-27	07862228.9	2009-Aug-19	EP 2089656	2011-Mar-02	2089656	2027-Nov-27	
CZ	2008-Mar-12	08743813.1			2018-Aug-01	2135487	2028-Mar-12	
CZ	2009-Nov-03	19205260.3	2020-Apr-15	EP 3637185	2021-Jul-07	3637185	2029-Nov-03	
CZ	2009-Nov-03	09759792.6	2011-Jul-27	EP 2347172	2020-Jan-22	2347172	2029-Nov-03	
CZ	2010-Feb-02	10703518.0	2011-Dec-14	EP 2394300	2018-Aug-15	2394300	2030-Feb-02	
CZ	2010-Aug-13	EP 10808822.0	2012-Jun-20	EP 2465329	2019-Oct-16	2465329	2030-Aug-13	Yes
CZ	2011-Jul-29	17200852.6	2018-Jul-11	EP 3346593	2019-Sep-11	3346593	2031-Jul-29	
CZ	2012-Jan-20	EP 12737154.0	2013-Nov-27	EP2666220	2019-Sep-18	2666220	2032-Jan-20	Yes
CZ	2012-Jun-15	12735032.0	2014-Apr-23	EP 2721656	2019-Sep-25	2721656	2032-Jun-15	Yes
CZ	2014-Aug-19	19172206.5	2019-Oct-16	EP 3554198	2021-Apr-07	3554198	2034-Aug-19	
CZ	2014-Aug-19	14786281.7	2016-Jun-29	EP 3036976	2019-Oct-09	3036976	2034-Aug-19	
CZ	2016-Mar-11	19172759.3			2022-Nov-16	3570643	2036-Mar-11	Yes
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DE	2012-Mar-16	12711276.1	2014-Feb-05	EP 2691697	2020-May-06	60 2012 069 861.6	2032-Mar-16	
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DE	2012-Mar-28	12715190.0	2014-Feb-05	EP 2692209	2015-Jan-28	60 2012 005 167.1	2032-Mar-28	Yes
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DE	2012-Apr-02	12716291.5	2014-Feb-12	EP 2694867	2016-Aug-31	60 2012 022 383.9	2032-Apr-02	
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DE	2012-May-14	12724737.7	2014-Mar-26	EP 2710860	2016-Nov-30	60 2012 026 017.3	2032-May-14	
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DE	2014-Apr-02	14718773.6	2016-Feb-10	EP 2982221	2021-Aug-04	60 2014 079 186.7	2034-Apr-02	

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DE	2014-Apr-21	14718971.6	2016-Mar-16	EP 2994696	2022-Oct-05	60 2014 085 129.0		Yes
DE	2014-Apr-21	14719284.3	2016-Mar-09	EP 2992733	2018-Dec-26	60 2014 038 581.8	2034-Apr-21	Yes
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DE	2015-Mar-11	15709474.9	2016-Mar-02	EP 2989373	2016-Nov-16	60 2015 000 742.5	2035-Mar-11	Yes
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DE	2016-Aug-05	EP16182950.2	2017-Mar-08	EP 3139086	2018-May-23	3139086	2036-Aug-05	

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DE	2016-Aug-05	18154729.0	2018-Jul-25	EP 3351851	2019-Oct-09	60 2016 022 379.1	2036-Aug-05	
DE	2016-Aug-09	EP16757574.5	2018-Jul-04	EP 3342257	2019-Jul-31	60 2016 017 780.3	2036-Aug-09	Yes
DE	2016-Oct-12	16781407.8	2018-Sep-05	EP 3368634	2019-Dec-11	60 2016 026 096.4	2036-Oct-12	Yes
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ES	2006-Mar-08	06711045.2		EP 1862036	2008-Dec-31	1862036	2026-Mar-08	Yes
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ES	2006-May-08	06770064.1	2008-Oct-29	EP 1984667	2017-Aug-23	1984667	2026-May-08	
ES	2006-May-11	06744912.4	2008-Feb-20	EP 1889518	2011-Dec-14	1889518	2026-May-11	
ES	2006-May-19	06741539.8	2008-Feb-27	EP 1891671	2020-Aug-19	1891671	2026-May-19	
ES	2006-May-23	06771039.2	2008-Mar-05	EP 1893912	2020-Dec-16	1893912	2026-May-23	
ES	2006-May-24	06765708.0		EP 1889519	2009-Mar-18	1889519	2026-May-24	
ES	2006-Jun-15	06765753.6	2008-Mar-12	EP 1897332	2015-Oct-14	1897332	2026-Jun-15	Yes

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ES	2006-Oct-11	14166066.2	2014-Sep-17	EP 2779146	2017-Jul-26	2779146	2026-Oct-11	
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ES	2006-Nov-13	06821415.4	2008-Aug-06	EP 1952055	2019-Jan-09	1952055	2026-Nov-13	
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ES	2012-Apr-03	12717488.6	2014-Feb-19	EP 2697337	2019-Jun-12	2697337	2032-Apr-03	
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ES	2012-May-30	12732872.2	2014-Apr-09	EP 2715221	2017-May-10	2715221	2032-May-30	Yes
ES	2012-Jun-11	12738194.5	2014-Apr-16	EP 2719258	2016-Feb-03	2565064	2032-Jun-11	Yes
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ES	2012-Jun-29	12737399.1			2019-Feb-13	2727228	2032-Jun-29	Yes
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ES	2012-Aug-30	12784067.6	2014-Jul-09	EP 2752089	2016-Nov-30	2752089	2032-Aug-30	
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ES	2012-Oct-19	12808477.9	2014-Jun-25	EP 2745626	2017-May-10	2745626	2032-Oct-19	
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ES	2013-Jan-30	16200531.8	2017-Jun-17	EP 3182807	2020-Aug-12	3182807	2033-Jan-30	Yes
ES	2013-Feb-22	13717316.7	2014-Dec-17	EP 2823691	2019-Apr-10	2823691	2033-Feb-22	
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ES	2013-May-22	13736961.7	2015-Apr-08	EP 2856490	2016-Mar-09	2856490	2033-May-22	
ES	2013-Jun-18	13758989.1	2015-May-06	EP 2868162	2019-Mar-06	2868162	2033-Jun-18	Yes
ES	2013-Jul-04	13763118.0	2015-May-27	EP 2875700	2018-Mar-14	2875700	2033-Jul-04	Yes
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ES	2014-Jun-16	14730167.5	2015-Aug-19	EP 2907365	2016-Sep-21	2907365	2034-Jun-16	Yes
ES	2014-Jul-09	14738810.2	2016-Jun-08	EP	2017-Feb-22	3028541	2034-Jul-09	
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ES	2014-Aug-19	14786281.7	2016-Jun-29	EP 3036976	2019-Oct-09	3036976	2034-Aug-19	
ES	2014-Aug-19	19172206.5	2019-Oct-16	EP 3554198	2021-Apr-07	3554198	2034-Aug-19	
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ES	2014-Oct-08	EP14786822.8	2016-Aug-17	EP 3055022	2018-Aug-08	3055022	2034-Oct-08	Yes
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ES	2015-Feb-16	15711291.3	2017-Jan-04	EP	2020-Jan-01	3111729	2035-Feb-16	
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ES	2015-Mar-11	16190614.4	2017-May-10	3165809-A	2021-Sep-29	3165809	2035-Mar-11	Yes
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ES	2015-May-27	15726916.8	2017-Apr-19	3155875-A	2017-Dec-27	3155875	2035-May-27	Yes
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ES	2017-Dec-18	20151415.5	2020-Jun-24	EP 3671010	2021-Nov-10	3671010	2037-Dec-18	
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FR	2004-Dec-01	04801437.7	2006-Sep-06	EP 1698036	2019-Feb-20	1698036	2024-Dec-01	Yes
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FR	2005-Oct-12	05791339.4	2007-Jun-27	EP 1800401	2012-Apr-04	1800401	2025-Oct-12	
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FR	2005-Nov-09	05809900.3		EP 1815536	2011-Feb-09	1815536	2025-Nov-09	
FR	2005-Nov-23	05810845.7	2007-Aug-29	EP 1825717	2014-Jan-08	1825717	2025-Nov-23	
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FR	2005-Nov-28	05807221.6	2007-Aug-29	EP 1825515	2015-Nov-25	1825515	2025-Nov-28	
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FR	2005-Dec-05	05826730.3	2007-Aug-29	EP 1825719	2011-Jun-01	1825719	2025-Dec-05	Yes
FR	2006-Jan-05	06701369.8	2007-Oct-24	EP 1846949	2018-Aug-22	1846949	2026-Jan-05	
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FR	2006-Mar-22	06851072.6		EP 1900261	2011-Jan-12	1900261	2026-Mar-22	Yes
FR	2006-Apr-03	06716702.3	2007-Nov-29	EP 1869365	2013-Jun-12	1869365	2026-Apr-03	
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FR	2006-Dec-13	11155525.6	2011-May-25	EP 2325670	2017-Oct-25	2325670	2026-Dec-13	
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FR	2007-May-31	15177109.4	2016-Mar-23	EP 2999314	2020-Nov-18	2999314	2027-May-31	
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FR	2007-Sep-20	07826475.1	2009-Jul-15	EP 2078446	2013-Apr-10	2078446	2027-Sep-20	
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FR	2009-Jan-13	09702240.4	2010-Sep-22	EP 2229228	2014-Jul-16	2229228	2029-Jan-13	Yes
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FR	2009-May-27	09757936.1	2011-Mar-02	EP 2289266	2015-Jan-14	2289266	2029-May-27	Yes
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FR	2009-Jun-12	09761216.2	2011-Mar-02	EP 2288848	2018-Dec-26	2288848	2029-Jun-12	
FR	2009-Jul-03	09786505.9	2011-May-25	EP 2323472	2013-Sep-11	2323472	2029-Jul-03	Yes
FR	2009-Jul-10	09786561.2	2011-Mar-23	EP 2297516	2012-Feb-22	2297516	2029-Jul-10	
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FR	2010-Jul-27	10745008.2	2012-Jun-06	EP 2460389	2013-May-01	2460389	2030-Jul-27	
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FR	2011-Mar-01	11714107.7	2013-Jan-23	EP 2548413	2018-Jan-03	2548413	2031-Mar-01	Yes
FR	2011-Mar-11	11714109.3	2013-Jan-30	EP 2550843	2018-Jan-24	2550843	2031-Mar-11	
FR	2011-Apr-01	11719657.6	2013-Feb-13	EP 2556294	2015-Mar-25	2556294	2031-Apr-01	
FR	2011-Apr-13	11714280.2		EP 2567149	2015-Jul-08	2567149	2031-Apr-13	Yes
FR	2011-Apr-22	11723662.0	2013-Mar-06	EP 2564669	2018-Aug-29	2564669	2031-Apr-22	
FR	2011-Apr-26	11721372.8	2013-Mar-13	EP 2567402	2016-Sep-07	2567402	2031-Apr-26	
FR	2011-Apr-27	11721826.3	2013-Mar-20	EP 2569576	2016-Jul-06	2569576	2031-Apr-27	
FR	2011-Jun-16	11754735.6	2013-Apr-24	EP 2583536	2015-Feb-11	2583536	2031-Jun-16	
FR	2011-Jun-24	11738309.1	2013-May-29	EP 2596554	2014-Oct-29	2596554	2031-Jun-24	
FR	2011-Jun-30	11738821.5	2013-May-15	EP 2591275	2017-Mar-01	2591275	2031-Jun-30	
FR	2011-Jul-14	11748743.9	2013-May-29	EP 2596278	2017-Jun-21	2596278	2031-Jul-14	
FR	2011-Jul-29	11743913.3			2019-Jan-09	2599200	2031-Jul-29	Yes
FR	2011-Jul-29	17200852.6	2018-Jul-11	EP 3346593	2019-Sep-11	3346593	2031-Jul-29	
FR	2011-Jul-29	11748799.1	2013-Jun-05	2599203	2017-Nov-15	2599203	2031-Jul-29	
FR	2011-Aug-05	11754507.9	2013-Jul-10	EP 2612463	2014-Apr-16	2612463	2031-Aug-05	
FR	2011-Sep-05	11764312.2	2013-Jul-17	EP 2614687	2014-Mar-19	2614687	2031-Sep-05	Yes
FR	2011-Sep-19	11768154.4	2013-Aug-07	EP 2622263	2014-Sep-03	2622263	2031-Sep-19	Yes
FR	2011-Sep-19	14177579.1	2014-Oct-22	EP 2792936	2019-Nov-06	2792936	2031-Sep-19	Yes

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FR	2011-Nov-15	11799321.2	2013-Oct-02	EP 2644006	2018-Mar-28	2644006	2031-Nov-15	
FR	2011-Nov-16	11794283.9			2019-Jan-09	2681969	2031-Nov-16	
FR	2011-Nov-22	11793494.3	2013-Oct-09	EP 2647260	2019-Aug-21	2647260	2031-Nov-22	
FR	2011-Dec-09	11804814.9	2013-Oct-30	EP 2655956	2020-Jul-29	2655956	2031-Dec-09	
FR	2011-Dec-14	11815794.0	2013-Oct-30	EP 2656690	2015-Mar-04	2656690	2031-Dec-14	Yes
FR	2011-Dec-16	11813481.6		EP 2653014	2016-Oct-19	2653014	2031-Dec-16	Yes
FR	2012-Jan-03	12732193.3	2016-Apr-13	EP 2636286	2020-May-06	2636286	2032-Jan-03	Yes
FR	2012-Jan-11	12703883.4	2013-Nov-20	EP 2663806	2018-Jan-03	2663806	2032-Jan-11	
FR	2012-Jan-20	EP 12737154.0	2013-Nov-27	EP2666220	2019-Sep-18	2666220	2032-Jan-20	Yes
FR	2012-Feb-01	12704317.2	2013-Dec-11	EP 2671016	2016-Apr-20	2671016	2032-Feb-01	
FR	2012-Mar-12	12710360.4	2014-Jan-22	EP 2687065	2019-Jan-02	2687065	2032-Mar-12	
FR	2012-Mar-12	18211656.6	2019-May-29	EP 3490342	2020-Jul-15	3490342	2032-Mar-12	
FR	2012-Mar-15	12711261.3	2014-Jan-29	EP 2689182	2020-May-20	2689182	2032-Mar-15	Yes
FR	2012-Mar-16	12711276.1	2014-Feb-05	EP 2691697	2020-May-06	2691697	2032-Mar-16	
FR	2012-Mar-22	12712759.5	2014-Feb-05	EP 2691698	2020-May-06	2691698	2032-Mar-22	
FR	2012-Mar-23	12712763.7	2014-Feb-05	EP 2692211	2019-Aug-14	2692211	2032-Mar-23	
FR	2012-Mar-27	12715184.3	2014-Feb-05	EP 2692208	2019-Nov-27	2692208	2032-Mar-27	
FR	2012-Mar-28	12712768.6	2014-Feb-12	EP 2695485	2016-Dec-28	2695485	2032-Mar-28	Yes
FR	2012-Mar-28	12715190.0	2014-Feb-05	EP 2692209	2015-Jan-28	2692209	2032-Mar-28	Yes
FR	2012-Apr-02	12716291.5	2014-Feb-12	EP 2694867	2016-Aug-31	2694867	2032-Apr-02	
FR	2012-Apr-03	12717488.6	2014-Feb-19	EP 2697337	2019-Jun-12	2697337	2032-Apr-03	
FR	2012-Apr-17	12721351.0	2014-Mar-12	EP 2705545	2020-Apr-15	2705545	2032-Apr-17	
FR	2012-May-11	12725505.7	2014-Mar-26	EP 2710861	2019-Jan-09	2710861	2032-May-11	Yes
FR	2012-May-14	12724737.7	2014-Mar-26	EP 2710860	2016-Nov-30	2710860	2032-May-14	
FR	2012-May-30	12170107.2	2012-Dec-12	EP 2533615	2014-Nov-05	2533615	2032-May-30	Yes
FR	2012-May-30	12732872.2	2014-Apr-09	EP 2715221	2017-May-10	2715221	2032-May-30	Yes
FR	2012-May-31	12727711.9	2014-Apr-23	2721341	2018-Apr-18	2721341	2032-May-31	Yes
FR	2012-Jun-11	12738194.5	2014-Apr-16	EP 2719258	2016-Feb-03	2719258	2032-Jun-11	Yes
FR	2012-Jun-13	12735026.2	2014-Apr-23	EP 2721343	2019-Nov-06	2721343	2032-Jun-13	Yes
FR	2012-Jun-15	12735032.0	2014-Apr-23	EP 2721656	2019-Sep-25	2721656	2032-Jun-15	Yes
FR	2012-Jun-29	12737399.1			2019-Feb-13	2727228	2032-Jun-29	Yes
FR	2012-Jul-05	12748783.3	2014-May-21	EP 2732525	2016-Apr-20	2732525	2032-Jul-05	
FR	2012-Jul-24	12767105.5	2014-Jun-04	EP 2737774	2017-Jun-28	2737774	2032-Jul-24	
FR	2012-Aug-02	12772433.4	2014-Jun-25	EP 2745621	2020-Oct-21	2745621	2032-Aug-02	
FR	2012-Aug-02	12775298.8	2014-Jun-18	EP 2742775	2018-Nov-28	2742775	2032-Aug-02	Yes
FR	2012-Aug-30	12784067.6	2014-Jul-09	EP 2752089	2016-Nov-30	2752089	2032-Aug-30	
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FR	2012-Sep-11	12784072.6	2014-Jun-25	EP 2745350	2018-Mar-21	2745350	2032-Sep-11	Yes
FR	2012-Sep-11	12784071.8	2014-Jun-25	EP 2745046	2015-Nov-25	2745046	2032-Sep-11	Yes
FR	2012-Sep-14	12779165.5	2014-Jun-25	EP 2745624	2015-Mar-04	2745624	2032-Sep-14	Yes
FR	2012-Oct-05	12795854.4	2014-Jul-02	EP 2748975	2019-Apr-03	2748975	2032-Oct-05	
FR	2012-Oct-12	12798379.9	2014-Jul-02	EP 2749130	2018-Jan-10	2749130	2032-Oct-12	
FR	2012-Oct-19	12808477.9	2014-Jun-25	EP 2745626	2017-May-10	2745626	2032-Oct-19	
FR	2012-Oct-19	12841485.1	2014-Aug-27	EP 2769142	2018-Feb-21	2769142	2032-Oct-19	
FR	2012-Oct-29	12812346.0	2014-Jul-09	EP 2752090	2018-Jan-03	2752090	2032-Oct-29	
FR	2012-Nov-16	12819135.0	2014-Jul-02	EP 2748520	2017-Mar-01	2748520	2032-Nov-16	
FR	2012-Dec-10	12821037.4	2014-Jul-02	EP 2748517	2021-Mar-17	2748517	2032-Dec-10	Yes
FR	2012-Dec-11	12820908.7	2014-Jul-02	EP 2748688	2019-Feb-20	2748688	2031-Dec-13	
FR	2013-Jan-02	13703876.6	2014-Nov-12	EP 2801240	2016-Apr-06	2801240	2033-Jan-02	
FR	2013-Jan-02	13703878.2	2014-Aug-06	EP 2761978	2016-Apr-06	2761978	2033-Jan-02	
FR	2013-Jan-10	13705570.3	2014-Nov-19	EP 2802805	2017-Oct-18	2802805	2033-Jan-10	
FR	2013-Jan-18	13707716.0	2014-Dec-10	EP 2810532	2019-May-22	2810532	2033-Jan-18	
FR	2013-Jan-25	13710564.9	2014-Dec-10	EP 2810534	2019-Nov-06	2810534	2033-Jan-25	
FR	2013-Jan-25	13709554.3	2014-Dec-10	EP 2810533	2015-Aug-05	2810533	2033-Jan-25	
FR	2013-Jan-30	13711957.4	2014-Dec-24	EP 2815633	2016-Dec-14	2815633	2033-Jan-30	Yes
FR	2013-Jan-30	16200531.8	2017-Jun-17	EP 3182807	2020-Aug-12	3182807	2033-Jan-30	Yes
FR	2013-Feb-08	13713975.4	2014-Oct-08	EP 2786640	2015-Jul-22	2786640	2033-Feb-08	
FR	2013-Feb-22	13717318.3	2014-Dec-31	EP 2818028	2017-Apr-12	2818028	2033-Feb-22	
FR	2013-Feb-22	13717316.7	2014-Dec-17	EP 2823691	2019-Apr-10	2823691	2033-Feb-22	
FR	2013-Mar-04	13718392.7	2015-Jan-14	EP 2823692	2018-May-16	2823692	2033-Mar-04	Yes
FR	2013-Mar-06	13718394.3	2015-Jan-21	EP 2825820	2018-Jan-03	2825820	2033-Mar-06	Yes
FR	2013-Mar-07	13720567.0	2015-Feb-04	EP 2832183	2016-May-18	2832183	2033-Mar-07	
FR	2013-Mar-08	13721393.0	2015-Jan-28	EP 2829158	2016-May-18	2829158	2033-Mar-08	
FR	2013-Mar-11	13722822.7	2015-Jan-28	EP 2829159	2020-Aug-26	2829159	2033-Mar-11	
FR	2013-Mar-20	13721401.1	2015-Feb-04	EP 2832184	2016-Jan-13	2832184	2033-Mar-20	
FR	2013-Apr-04	18167770.9	2018-Oct-03	EP 3382755	2020-Jan-08	3382755	2033-Apr-04	
FR	2013-Apr-04	13724395.2	2015-Feb-11	EP 2834842	2018-Jul-04	2834842	2033-Apr-04	
FR	2013-Apr-16	13726598.9	2015-Feb-25	EP 2839204	2016-Dec-14	2839204	2033-Apr-16	
FR	2013-Apr-25	13727651.5	2015-Mar-11	EP 2845445	2021-Aug-11	2845445	2033-Apr-25	
FR	2013-Apr-26	13727386.8	2015-Mar-18	EP 2848091	2018-Nov-28	2848091	2033-Apr-26	

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FR	2013-May-06	13729464.1	2015-Mar-25	EP 2850917	2017-Feb-22	2850917	2033-May-06	Yes
FR	2013-May-08	13732245.9	2015-Mar-18	EP 2848093	2018-Jul-11	2848093	2033-May-08	Yes
FR	2013-May-21	13734501.3	2015-Apr-15	EP 2858854	2018-Jan-03	2858854	2033-May-21	Yes
FR	2013-May-22	13736961.7	2015-Apr-08	EP 2856490	2016-Mar-09	2856490	2033-May-22	
FR	2013-May-22	13733050.2	2015-Apr-08	EP 2856004	2016-Sep-14	2856004	2033-May-22	Yes
FR	2013-May-28	13734200.2	2015-Apr-08	EP 2856843	2017-Apr-12	2856843	2033-May-28	Yes
FR	2013-Jun-17	13750382.7	2015-May-06	EP 2867982	2016-Mar-16	2867982	2033-Jun-17	
FR	2013-Jun-18	13758989.1	2015-May-06	EP 2868162	2019-Mar-06	2868162	2033-Jun-18	Yes
FR	2013-Jun-26	13762232.0	2015-May-06	EP 2868163	2020-May-06	2868163	2033-Jun-26	
FR	2013-Jul-04	13763118.0	2015-May-27	EP 2875700	2018-Mar-14	2875700	2033-Jul-04	Yes
FR	2013-Jul-04	17199356.1	2018-Apr-11	EP 3307028	2021-Apr-07	3307028	2033-Jul-04	Yes
FR	2013-Jul-09	13766683.0	2015-May-20	EP 2873302	2021-May-12	2873302	2033-Jul-09	Yes
FR	2013-Jul-10	13765478.6	2015-May-20	EP 2873310	2019-Feb-27	2873310	2033-Jul-10	
FR	2013-Jul-12	13766699.6	2015-May-27	EP 2875701	2019-May-01	2875701	2033-Jul-12	Yes
FR	2013-Jul-12	13765494.3	2015-May-20	EP 2873299	2019-Jan-09	2873299	2033-Jul-12	
FR	2013-Jul-15	13765790.4	2015-Jun-03	EP 2878173	2019-Mar-06	2878173	2033-Jul-15	Yes
FR	2013-Jul-24	13745301.5			2018-Dec-12	2878171	2033-Jul-24	
FR	2013-Aug-28	13792978.2	2015-Jul-29	EP 2898755	2021-May-19	2898755	2033-Aug-28	Yes
FR	2013-Sep-17	13799377.0	2015-Jul-29	EP 2898265	2016-Dec-07	2898265	2033-Sep-17	
FR	2013-Oct-17	13818799.2	2015-Sep-02	EP 2912367	2018-Jan-03	2912367	2033-Oct-17	Yes
FR	2013-Nov-06	13852913.6	2015-Sep-16	EP2917633	2022-Jan-05	2917633	2033-Nov-06	
FR	2013-Dec-02	13805599.1	2015-Oct-21	EP 2932797	2017-Oct-04	2932797	2033-Dec-02	
FR	2013-Dec-05	13818438.7	2015-Oct-14	EP 2929238	2018-Feb-21	2929238	2033-Dec-05	
FR	2013-Dec-05	13818440.3	2015-Oct-14	EP 2929239	2018-Mar-28	2929239	2033-Dec-05	Yes
FR	2014-Jan-03	14701230.6	2015-Nov-18	EP 2944161	2017-May-17	2944161	2034-Jan-03	Yes
FR	2014-Jan-29	14706335.8	2015-Dec-09	EP 2950704	2017-Oct-18	2950704	2034-Jan-29	Yes
FR	2014-Feb-17	14710984.7	2015-Dec-30	EP 2959209	2018-Sep-12	2959209	2034-Feb-17	Yes
FR	2014-Mar-12	14713924.0	2016-Feb-03	EP	2017-Feb-22	2979023	2034-Mar-12	
FR	2014-Mar-12	14721012.4	2016-Feb-03	EP 2976928	2020-Feb-26	2976928	2034-Mar-12	Yes
FR	2014-Apr-02	14718773.6	2016-Feb-10	EP 2982221	2021-Aug-04	2982221	2034-Apr-02	
FR	2014-Apr-21	14719284.3	2016-Mar-09	EP 2992733	2018-Dec-26	2992733	2034-Apr-21	Yes
FR	2014-Apr-21	14718971.6	2016-Mar-16	EP 2994696	2022-Oct-05	2994696		Yes
FR	2014-Apr-30	14721344.1	2016-Mar-09	EP 2992742	2018-Dec-05	2992742	2034-Apr-30	Yes
FR	2014-Jun-04	14728546.4	2016-Apr-13	EP 3005834	2018-Mar-21	3005834	2034-Jun-04	
FR	2014-Jun-05	14728560.5	2016-Apr-20	EP 3008973	2019-Aug-28	3008973	2034-Jun-05	Yes
FR	2014-Jun-16	14730167.5	2015-Aug-19	EP 2907365	2016-Sep-21	2907365	2034-Jun-16	Yes
FR	2014-Jun-27	14733638.2	2016-May-11	EP	2017-Apr-05	3017661	2034-Jun-27	Yes
FR	2014-Jul-03	14734499.8	2016-Jun-22	EP 3033568	2017-May-17	3033568	2034-Jul-03	Yes
FR	2014-Jul-09	14738810.2	2016-Jun-08	EP	2017-Feb-22	3028541	2034-Jul-09	
FR	2014-Jul-16	14739445.6	2016-Jun-01	EP 3025562	2017-Oct-11	3025562	2034-Jul-16	Yes
FR	2014-Jul-23	14741900.6	2016-Jun-08	EP 3028543	2018-Jan-17	3028543	2034-Jul-23	
FR	2014-Aug-14	EP14752612.3	2016-Jul-20	EP 3044497	2018-Apr-11	3044497	2034-Aug-14	Yes
FR	2014-Aug-14	14750737.0	2016-Mar-23	EP 2997305	2016-Nov-16	2997305	2034-Aug-14	Yes
FR	2014-Aug-18	EP14752339.3	2016-Mar-16	EP 2995174	2016-Oct-12	2995174	2034-Aug-18	Yes
FR	2014-Aug-18	14789873.8	2016-Jun-29	EP	2017-Feb-22	3036974	2034-Aug-18	Yes
FR	2014-Aug-19	19172206.5	2019-Oct-16	EP 3554198	2021-Apr-07	3554198	2034-Aug-19	
FR	2014-Aug-19	14786281.7	2016-Jun-29	EP 3036976	2019-Oct-09	3036976	2034-Aug-19	
FR	2014-Aug-22	14796256.7	2016-Jul-06	EP 3039947	2019-Dec-11	3039947	2034-Aug-22	Yes
FR	2014-Aug-29	14757933.8	2016-Mar-02	EP 2989864	2016-Oct-12	2989864	2034-Aug-29	Yes
FR	2014-Oct-08	EP14786822.8	2016-Aug-17	EP 3055022	2018-Aug-08	3055022	2034-Oct-08	Yes
FR	2014-Oct-14	14793310.5	2016-Aug-24	EP 3058794	2018-Aug-29	3058794	2034-Oct-14	
FR	2014-Oct-24	14787195.8	2016-Sep-14	EP 3066889	2017-Jun-28	3066889	2034-Oct-24	
FR	2014-Oct-28	14904216.0	2016-Aug-10	EP 3053413	2019-Feb-13	3053413	2034-Oct-28	
FR	2014-Nov-12	EP14799386.9	2016-Sep-28	EP 3072359	2019-Mar-20	3072359	2034-Nov-12	
FR	2014-Dec-05	EP14815599.7	2016-Oct-12	EP 3078243	2019-Feb-27	3078243	2034-Dec-05	Yes
FR	2014-Dec-11	14809867.6	2015-Dec-30	EP 2959211	2016-Aug-17	2959211	2034-Dec-11	Yes
FR	2014-Dec-23	14819015.0	2015-Oct-28	EP 2935980	2016-Jun-15	2935980	2034-Dec-23	
FR	2014-Dec-31	14827552.2	2016-Nov-16	EP 3092870	2019-Feb-20	3092870	2034-Dec-31	Yes
FR	2015-Jan-15	15703469.5	2016-Dec-07	EP 3099161	2019-Nov-20	3099161	2035-Jan-15	Yes
FR	2015-Jan-21	15701166.9	2016-Dec-07	EP	2022-Dec-21	3099972	2035-Jan-21	Yes
FR	2015-Jan-27	EP15703247.5	2016-Oct-19	EP 3080512	2017-Jun-07	3080512	2035-Jan-27	Yes
FR	2015-Jan-30	15702252.6	2016-Dec-07	EP	2019-Mar-13	3100250	2035-Jan-30	Yes
FR	2015-Feb-03	EP15702484.5	2016-Sep-28	EP 3071881	2017-Aug-23	3071881	2035-Feb-03	
FR	2015-Feb-09	15710002.5	2017-Jan-04	EP	2019-Jan-30	3111727	2035-Feb-09	Yes
FR	2015-Feb-13	EP15704536.0	2017-Jan-04	EP 3111725	2022-Aug-17	3111725	2035-Feb-13	Yes
FR	2015-Feb-16	15711291.3	2017-Jan-04	EP	2020-Jan-01	3111729	2035-Feb-16	
FR	2015-Feb-23	EP15706017.9	2016-Aug-31	EP	2017-Apr-12	3061320	2035-Feb-23	
FR	2015-Mar-11	16190614.4	2017-May-10	3165809-A	2021-Sep-29	3165809	2035-Mar-11	Yes
FR	2015-Mar-11	15709474.9	2016-Mar-02	EP 2989373	2016-Nov-16	2989373	2035-Mar-11	Yes
FR	2015-Mar-12	EP15714648.1	2017-Feb-01	EP 3123835	2019-Feb-27	3123835	2035-Mar-12	Yes

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FR	2015-Mar-17	15709960.7	2017-Jan-25	EP 3120671	2018-Sep-12	3120671	2035-Mar-17	Yes
FR	2015-Apr-28	EP15727463.0	2017-Mar-22	EP	2019-Aug-14	3143842	2035-Apr-28	Yes
FR	2015-May-27	15726916.8	2017-Apr-19	3155875-A	2017-Dec-27	3155875	2035-May-27	Yes
FR	2015-Jun-01	EP15723985.6	2017-May-10	3164638-A	2018-Aug-15	3164638	2035-Jun-01	
FR	2015-Jun-08	15725683.5	2016-Aug-17	EP	2017-Apr-05	3056066	2035-Jun-08	
FR	2015-Jun-24	EP15731323.0	2017-May-10	3164928-A	2019-Aug-07	3164928	2035-Jun-24	
FR	2015-Jul-02	15733747.8	2016-Dec-14	EP	2017-Jun-07	3102870	2035-Jul-02	Yes
FR	2015-Jul-06	15734185.0	2017-May-17	3167225-A	2017-Nov-01	3167225	2035-Jul-06	Yes
FR	2015-Jul-08	15734685.9	2017-May-24	3170373-A	2020-Sep-09	3170373	2035-Jul-08	Yes
FR	2015-Jul-10	EP15176200.2	2016-Mar-02	EP 2990717	2017-Sep-13	2990717	2035-Jul-10	Yes
FR	2015-Jul-15	EP15176831.4	2016-Feb-17	EP 2985510	2017-Jun-28	2985510	2035-Jul-15	Yes
FR	2015-Jul-16	15738350.6	2017-May-31	EP 3172481	2018-May-09	3172481	2035-Jul-16	
FR	2015-Sep-18	15771881.8	2017-Aug-09	EP 3201696				Yes
FR	2015-Sep-23	15771900.6	2017-Aug-09	EP 3201697	2021-Dec-29	3201697	2035-Sep-23	Yes
FR	2015-Sep-30	EP15784476.2	2017-Aug-09	EP 3201524	2018-Feb-28	3201524	2035-Sep-30	
FR	2015-Nov-03	15790913.6	2017-Sep-13	EP 3216317	2020-Jan-08	3216317	2035-Nov-03	
FR	2015-Dec-03	15851620.3	2017-Aug-02	EP 3198997	2019-Feb-20	3198997	2035-Dec-03	Yes
FR	2016-Mar-07	16158978.3			2019-Sep-11	3065511	2036-Mar-07	Yes
FR	2016-Mar-07	16158975.9			2020-Dec-16	3065510	2036-Mar-07	Yes
FR	2016-Mar-11	16845314.0	2017-Nov-01	EP 3238508	2019-May-08	3238508	2036-Mar-11	Yes
FR	2016-Mar-11	19172759.3			2022-Nov-16	3570643		Yes
FR	2016-Apr-04	16713475.8	2018-Feb-14	EP 3281270	2019-Jan-09	3281270	2036-Apr-04	
FR	2016-Apr-08	16164411.7	2016-Oct-12	EP 3079447	2017-Nov-01	3079447	2036-Apr-08	Yes
FR	2016-Apr-20	16721678.7	2017-Dec-27	EP 3259959	2018-Jun-20	3259959	2036-Apr-20	
FR	2016-May-18	EP16170050.5	2016-Dec-07	EP 3102003	2017-Aug-16	3102003	2036-May-18	
FR	2016-Jun-08	16732481.3	2018-Apr-25	EP 3311632	2020-Feb-26	3311632	2036-Jun-08	Yes
FR	2016-Aug-05	EP16182950.2	2017-Mar-08	EP 3139086	2018-May-23	3139086	2036-Aug-05	
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FR	2016-Oct-12	16781407.8	2018-Sep-05	EP 3368634	2019-Dec-11	3368634	2036-Oct-12	Yes
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GB	1997-Aug-08	97932965.3		EP 0870384	2005-Nov-09	0870384	2017-Aug-08	
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GB	2003-Sep-01	03794012.9		EP 1537764	2009-Nov-11	1537764	2023-Aug-31	Yes
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GB	2003-Dec-18	03777121.9		EP 1579733	2008-Apr-09	1579733	2023-Dec-17	
GB	2004-Jan-06	04700282.9		EP 1665552	2007-Jul-11	1665552	2024-Jan-05	Yes
GB	2004-Apr-21	18182693.4	2018-Dec-26	EP 3419388	2020-Jun-17	3419388	2024-Apr-20	
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GB	2004-Apr-30	04730612.1		EP 1623604	2008-Apr-16	1623604	2024-Apr-29	
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GB	2004-Aug-03	04744722.2		EP 1656768	2008-Jul-30	1656768	2024-Aug-02	Yes
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GB	2005-Mar-14	05725602.6	2006-Dec-13	EP 1731004	2017-May-17	1731004	2025-Mar-13	
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GB	2006-Dec-13	06842469.6	2008-Sep-10	EP 1966624	2011-Jun-29	1966624	2026-Dec-12	
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GB	2007-Mar-08	07710709.2	2008-Dec-03	EP 1996857	2016-May-25	1996857	2027-Mar-07	
GB	2007-Mar-08	07735061.9	2008-Dec-24	EP 2005797	2012-Aug-15	2005797	2027-Mar-07	Yes
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GB	2007-May-31	15177099.7	2016-Apr-27	EP 3013124	2017-Jul-12	3013124	2027-May-30	
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GB	2011-Dec-16	11813481.6		EP 2653014	2016-Oct-19	2653014	2031-Dec-15	Yes
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GB	2012-Mar-28	12712768.6	2014-Feb-12	EP 2695485	2016-Dec-28	2695485	2032-Mar-27	Yes
GB	2012-Mar-28	12715190.0	2014-Feb-05	EP 2692209	2015-Jan-28	2692209	2032-Mar-27	Yes
GB	2012-Apr-02	12716291.5	2014-Feb-12	EP 2694867	2016-Aug-31	2694867	2032-Apr-01	
GB	2012-Apr-03	12717488.6	2014-Feb-19	EP 2697337	2019-Jun-12	2697337	2032-Apr-02	
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GB	2012-May-11	12725505.7	2014-Mar-26	EP 2710861	2019-Jan-09	2710861	2032-May-10	Yes
GB	2012-May-14	12724737.7	2014-Mar-26	EP 2710860	2016-Nov-30	2710860	2032-May-13	
GB	2012-May-30	12170107.2	2012-Dec-12	EP 2533615	2014-Nov-05	2533615	2032-May-29	Yes
GB	2012-May-30	12732872.2	2014-Apr-09	EP 2715221	2017-May-10	2715221	2032-May-29	Yes
GB	2012-Jun-11	12738194.5	2014-Apr-16	EP 2719258	2016-Feb-03	2719258	2032-Jun-10	Yes
GB	2012-Jun-13	12735026.2	2014-Apr-23	EP 2721343	2019-Nov-06	2721343	2032-Jun-12	Yes
GB	2012-Jun-15	12735032.0	2014-Apr-23	EP 2721656	2019-Sep-25	2721656	2032-Jun-14	Yes
GB	2012-Jun-29	12737399.1			2019-Feb-13	2727228	2032-Jun-28	Yes
GB	2012-Jul-05	12748783.3	2014-May-21	EP 2732525	2016-Apr-20	2732525	2032-Jul-04	
GB	2012-Jul-24	12767105.5	2014-Jun-04	EP 2737774	2017-Jun-28	2737774	2032-Jul-23	
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GB	2012-Sep-11	12784072.6	2014-Jun-25	EP 2745350	2018-Mar-21	2745350	2032-Sep-10	Yes
GB	2012-Sep-14	12779165.5	2014-Jun-25	EP 2745624	2015-Mar-04	2745624	2032-Sep-13	Yes
GB	2012-Oct-05	12795854.4	2014-Jul-02	EP 2748975	2019-Apr-03	2748975	2032-Oct-04	
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GB	2012-Oct-19	12808477.9	2014-Jun-25	EP 2745626	2017-May-10	2745626	2032-Oct-18	
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GB	2012-Nov-16	12819135.0	2014-Jul-02	EP 2748520	2017-Mar-01	2748520	2032-Nov-15	
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GB	2013-Jan-30	13711957.4	2014-Dec-24	EP 2815633	2016-Dec-14	2815633	2033-Jan-29	Yes
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GB	2013-Sep-17	13799377.0	2015-Jul-29	EP 2898265	2016-Dec-07	2898265	2033-Sep-16	
GB	2013-Oct-17	13818799.2	2015-Sep-02	EP 2912367	2018-Jan-03	2912367	2033-Oct-16	Yes
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GB	2013-Dec-02	13805599.1	2015-Oct-21	EP 2932797	2017-Oct-04	2932797	2033-Dec-01	
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GB	2013-Dec-05	13818438.7	2015-Oct-14	EP 2929238	2018-Feb-21	2929238	2033-Dec-04	
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GB	2014-Feb-17	14710984.7	2015-Dec-30	EP 2959209	2018-Sep-12	2959209	2034-Feb-16	Yes
GB	2014-Mar-12	14721012.4	2016-Feb-03	EP 2976928	2020-Feb-26	2976928	2034-Mar-11	Yes
GB	2014-Mar-12	14713924.0	2016-Feb-03	EP	2017-Feb-22	2979023	2034-Mar-11	
GB	2014-Apr-02	14718773.6	2016-Feb-10	EP 2982221	2021-Aug-04	2982221	2034-Apr-01	
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GB	2014-Jun-16	14730167.5	2015-Aug-19	EP 2907365	2016-Sep-21	2907365	2034-Jun-15	Yes
GB	2014-Jun-27	14733638.2	2016-May-11	EP	2017-Apr-05	3017661	2034-Jun-26	Yes
GB	2014-Jul-03	14734499.8	2016-Jun-22	EP 3033568	2017-May-17	3033568	2034-Jul-02	Yes
GB	2014-Jul-09	14738810.2	2016-Jun-08	EP	2017-Feb-22	3028541	2034-Jul-08	
GB	2014-Jul-16	14739445.6	2016-Jun-01	EP 3025562	2017-Oct-11	3025562	2034-Jul-15	Yes
GB	2014-Jul-23	14741900.6	2016-Jun-08	EP 3028543	2018-Jan-17	3028543	2034-Jul-22	
GB	2014-Aug-14	EP14752612.3	2016-Jul-20	EP 3044497	2018-Apr-11	3044497	2034-Aug-13	Yes
GB	2014-Aug-14	14750737.0	2016-Mar-23	EP 2997305	2016-Nov-16	2997305	2034-Aug-13	Yes
GB	2014-Aug-18	EP14752339.3	2016-Mar-16	EP 2995174	2016-Oct-12	2995174	2034-Aug-17	Yes
GB	2014-Aug-18	14789873.8	2016-Jun-29	EP	2017-Feb-22	3036974	2034-Aug-17	Yes

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GB	2014-Aug-22	14796256.7	2016-Jul-06	EP 3039947	2019-Dec-11	3039947	2034-Aug-21	Yes
GB	2014-Aug-29	14757933.8	2016-Mar-02	EP 2989864	2016-Oct-12	2989864	2034-Aug-28	Yes
GB	2014-Sep-15	EP14765950.2	2016-Aug-03	EP 3050402	2017-Dec-06	3050402	2034-Sep-14	Yes
GB	2014-Oct-08	EP14786822.8	2016-Aug-17	EP 3055022	2018-Aug-08	3055022	2034-Oct-07	Yes
GB	2014-Oct-14	14793310.5	2016-Aug-24	EP 3058794	2018-Aug-29	3058794	2034-Oct-13	
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GB	2014-Nov-12	EP14799386.9	2016-Sep-28	EP 3072359	2019-Mar-20	3072359	2034-Nov-11	
GB	2014-Dec-05	EP14815599.7	2016-Oct-12	EP 3078243	2019-Feb-27	3078243	2034-Dec-04	Yes
GB	2014-Dec-11	14809867.6	2015-Dec-30	EP 2959211	2016-Aug-17	2959211	2034-Dec-10	Yes
GB	2014-Dec-23	14819015.0	2015-Oct-28	EP 2935980	2016-Jun-15	2935980	2034-Dec-22	
GB	2014-Dec-31	14827552.2	2016-Nov-16	EP 3092870	2019-Feb-20	3092870	2034-Dec-30	Yes
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GB	2015-Jan-21	15701166.9	2016-Dec-07	EP	2022-Dec-21	3099972	2035-Jan-20	Yes
GB	2015-Jan-26	EP15701207.1	2016-Dec-07	EP 3099974	2017-Sep-13	3099974	2035-Jan-25	Yes
GB	2015-Jan-27	EP15703247.5	2016-Oct-19	EP 3080512	2017-Jun-07	3080512	2035-Jan-26	Yes
GB	2015-Jan-30	15702252.6	2016-Dec-07	EP	2019-Mar-13	3100250	2035-Jan-29	Yes
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GB	2015-Feb-09	15710002.5	2017-Jan-04	EP	2019-Jan-30	3111727	2035-Feb-08	Yes
GB	2015-Feb-13	EP15704536.0	2017-Jan-04	EP 3111725	2022-Aug-17	3111725	2035-Feb-12	Yes
GB	2015-Feb-16	15711291.3	2017-Jan-04	EP	2020-Jan-01	3111729	2035-Feb-15	
GB	2015-Feb-23	EP15706017.9	2016-Aug-31	EP	2017-Apr-12	3061320	2035-Feb-22	
GB	2015-Mar-11	16190614.4	2017-May-10	3165809-A	2021-Sep-29	3165809	2035-Mar-10	Yes
GB	2015-Mar-11	15709474.9	2016-Mar-02	EP 2989373	2016-Nov-16	2989373	2035-Mar-10	Yes
GB	2015-Mar-12	EP15714648.1	2017-Feb-01	EP 3123835	2019-Feb-27	3123835	2035-Mar-11	Yes
GB	2015-Mar-17	15709960.7	2017-Jan-25	EP 3120671	2018-Sep-12	3120671	2035-Mar-16	Yes
GB	2015-Apr-28	EP15727463.0	2017-Mar-22	EP	2019-Aug-14	3143842	2035-Apr-27	Yes
GB	2015-May-27	15726916.8	2017-Apr-19	3155875-A	2017-Dec-27	3155875	2035-May-26	Yes
GB	2015-Jun-01	EP15723985.6	2017-May-10	3164638-A	2018-Aug-15	3164638	2035-May-31	
GB	2015-Jun-08	15725683.5	2016-Aug-17	EP	2017-Apr-05	3056066	2035-Jun-07	
GB	2015-Jun-24	EP15731323.0	2017-May-10	3164928-A	2019-Aug-07	3164928	2035-Jun-23	
GB	2015-Jul-02	15733747.8	2016-Dec-14	EP	2017-Jun-07	3102870	2035-Jul-01	Yes
GB	2015-Jul-06	15734185.0	2017-May-17	3167225-A	2017-Nov-01	3167225	2035-Jul-05	Yes
GB	2015-Jul-08	15734685.9	2017-May-24	3170373-A	2020-Sep-09	3170373	2035-Jul-07	Yes
GB	2015-Jul-10	EP15176200.2	2016-Mar-02	EP 2990717	2017-Sep-13	2990717	2035-Jul-09	Yes
GB	2015-Jul-15	EP15176831.4	2016-Feb-17	EP 2985510	2017-Jun-28	2985510	2035-Jul-14	Yes
GB	2015-Jul-16	15738350.6	2017-May-31	EP 3172481	2018-May-09	3172481	2035-Jul-15	
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GB	2015-Sep-23	15771900.6	2017-Aug-09	EP 3201697	2021-Dec-29	3201697	2035-Sep-22	Yes
GB	2015-Sep-30	EP15784476.2	2017-Aug-09	EP 3201524	2018-Feb-28	3201524	2035-Sep-29	
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GB	2015-Nov-03	15790913.6	2017-Sep-13	EP 3216317	2020-Jan-08	3216317	2035-Nov-02	
GB	2015-Dec-03	15851620.3	2017-Aug-02	EP 3198997	2019-Feb-20	3198997	2035-Dec-02	Yes
GB	2016-Mar-07	16158978.3			2019-Sep-11	3065511	2036-Mar-07	Yes
GB	2016-Mar-07	16158975.9			2020-Dec-16	3065510	2036-Mar-06	Yes
GB	2016-Mar-11	16845314.0	2017-Nov-01	EP 3238508	2019-May-08	3238508	2036-Mar-10	Yes
GB	2016-Mar-11	19172759.3			2022-Nov-16	3570643		Yes
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GB	2016-Apr-20	16721678.7	2017-Dec-27	EP 3259959	2018-Jun-20	3259959	2036-Apr-19	
GB	2016-May-18	EP16170050.5	2016-Dec-07	EP 3102003	2017-Aug-16	3102003	2036-May-17	
GB	2016-Jun-08	16732481.3	2018-Apr-25	EP 3311632	2020-Feb-26	3311632	2036-Jun-07	Yes
GB	2016-Aug-05	EP16182950.2	2017-Mar-08	EP 3139086	2018-May-23	3139086	2036-Aug-04	
GB	2016-Aug-05	18154729.0	2018-Jul-25	EP 3351851	2019-Oct-09	3351851	2036-Aug-04	
GB	2016-Aug-09	EP16757574.5	2018-Jul-04	EP 3342257	2019-Jul-31	3342257	2036-Aug-08	Yes
GB	2016-Oct-12	16781407.8	2018-Sep-05	EP 3368634	2019-Dec-11	3368634	2036-Oct-11	Yes
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GB	2016-Dec-07	16809747.5	2018-Oct-24	EP 3391683	2020-Sep-30	3391683	2036-Dec-06	Yes
GB	2017-Mar-20	17710760.4	2019-Jan-30	EP 3434074	2020-May-06	3434074	2037-Mar-19	Yes
GB	2017-Apr-19	17718888.5	2019-Feb-27	EP 3446552	2019-Nov-06	3446552	2037-Apr-18	Yes
GB	2017-May-22	17724576.8	2019-Apr-17	EP 3469255	2020-Aug-19	3469255	2037-May-21	Yes
GB	2017-Jul-27	17742771.3	2019-Jun-19	EP 3498059	2019-Dec-18	3498059	2037-Jul-26	Yes
GB	2017-Aug-04	17837750.3	2019-Jun-12	EP3494342	2021-Dec-08	3494342	2037-Aug-03	Yes
GB	2017-Oct-10	17778319.8	2019-Aug-28	EP 3530079	2020-Jun-03	3530079	2037-Oct-09	Yes
GB	2017-Dec-18	20151415.5	2020-Jun-24	EP 3671010	2021-Nov-10	3671010	2037-Dec-17	
GB	2017-Dec-18	17816839.9	2019-Jun-26	EP 3500792	2020-Feb-12	3500792	2037-Dec-17	

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GB	2018-Feb-19	18704570.3	2020-Jan-08	EP 3590149	2020-Sep-09	3590149	2038-Feb-18	Yes
GB	2019-Oct-21	19787278.1	2021-Sep-08	EP 3874196	2022-Dec-28	3874196		Yes
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HK	2005-Oct-12	08104443.7	2012-Aug-31	1114958-B	2012-Aug-31	1114958	2025-Oct-12	
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HK	2010-Jul-07	12107883.1	2012-Nov-23	HK 1167202	2016-Sep-21	1167202B	2030-Jul-07	
HR	2011-Jul-29	17200852.6	2018-Jul-11	EP 3346593	2019-Sep-11	3346593	2031-Jul-29	
HU	2003-Aug-28	03791823.2		EP 1535495	2010-Jan-13	E007648	2023-Aug-28	
HU	2004-Apr-21	20172248.5	2020-Oct-14	EP 3722533	2022-Oct-26	3722533		
HU	2004-Apr-21	20172270.9	2020-Oct-14	EP 3721959	2022-Nov-23	3721959		
HU	2004-Apr-21	18182693.4	2018-Dec-26	EP 3419388	2020-Jun-17	3419388	2024-Apr-21	
HU	2005-Sep-19	20169373.6	2020-Oct-14	EP 3722665	2022-Jan-05	3722665	2025-Sep-19	
HU	2006-Jan-05	06701369.8	2007-Oct-24	EP 1846949	2018-Aug-22	1846949	2026-Jan-05	
HU	2006-May-08	06770064.1	2008-Oct-29	EP 1984667	2017-Aug-23	1984667	2026-May-08	
HU	2006-May-24	06765708.0			2009-Mar-18	E005833	2026-May-24	
HU	2007-May-31	15177109.4	2016-Mar-23	EP 2999314	2020-Nov-18	2999314	2027-May-31	
HU	2010-Aug-13	EP 10808822.0	2012-Jun-20	EP 2465329	2019-Oct-16	2465329	2030-Aug-13	Yes
HU	2011-Sep-19	14177579.1	2014-Oct-22	EP 2792936	2019-Nov-06	2792936	2031-Sep-19	Yes
HU	2012-Jan-20	EP 12737154.0	2013-Nov-27	EP2666220	2019-Sep-18	2666220	2032-Jan-20	Yes
HU	2012-Mar-15	12711261.3	2014-Jan-29	EP 2689182	2020-May-20	2689182	2032-Mar-15	Yes
HU	2016-Mar-07	16158975.9			2020-Dec-16	3065510	2036-Mar-07	Yes
HU	2016-Mar-11	19172759.3			2022-Nov-16	3570643	2036-Mar-11	Yes
HU	2017-Dec-18	20151415.5	2020-Jun-24	EP 3671010	2021-Nov-10	3671010	2037-Dec-18	
HU	2019-Oct-21	19787278.1	2021-Sep-08	EP 3874196	2022-Dec-28	3874196		Yes
ID	2010-Apr-23	W-00 2011 04014	2012-Jun-28	2012/02941-A			2030-Apr-23	
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IE	1998-Jul-28	98937339.4	2000-May-17	EP 1000295	2014-Jul-23	1000295	2018-Jul-28	
IE	1999-Sep-03	03011110.8	2004-Feb-25	EP 1391650	2014-Feb-26	1391650	2019-Sep-03	
IE	2000-Nov-20	05076817.5	2005-Dec-28	EP 1610593	2015-Jul-08	1610593	2020-Nov-20	
IE	2000-Nov-20	15169577.2	2016-Jan-20	EP 2975912	2022-Apr-27	2975912		
IE	2001-Apr-24	07075990.7	2008-Feb-13	EP 1887836	2012-Mar-07	1887836	2021-Apr-24	
IE	2001-Apr-24	03028671.0		EP 1422975	2010-Apr-14	1422975	2021-Apr-24	
IE	2003-Aug-28	03791823.2		EP 1535495	2010-Jan-13	1535495	2023-Aug-28	
IE	2004-Apr-21	20172248.5	2020-Oct-14	EP 3722533	2022-Oct-26	3722533		
IE	2005-Sep-19	20169373.6	2020-Oct-14	EP 3722665	2022-Jan-05	3722665	2025-Sep-19	
IE	2006-Jan-05	06701369.8	2007-Oct-24	EP 1846949	2018-Aug-22	1846949	2026-Jan-05	
IE	2006-May-08	06770064.1	2008-Oct-29	EP 1984667	2017-Aug-23	1984667	2026-May-08	
IE	2006-Sep-15	06775996.9	2008-Jul-02	EP 1938666	2012-May-30	1938666	2026-Sep-15	
IE	2007-May-31	15177109.4	2016-Mar-23	EP 2999314	2020-Nov-18	2999314	2027-May-31	
IE	2008-Mar-12	08743813.1			2018-Aug-01	2135487	2028-Mar-12	
IE	2010-Feb-26	10708388.3	2012-Jan-11	EP 2404485	2020-May-20	2404485	2030-Feb-26	Yes
IE	2010-Jun-11	10730223.4	2012-Apr-25	EP 2443387	2016-Mar-02	2443387	2030-Jun-11	
IE	2010-Aug-13	10808816.2	2012-Jun-20	EP 2465174	2019-Jan-09	2465174	2030-Aug-13	
IE	2010-Aug-13	EP 10808822.0	2012-Jun-20	EP 2465329	2019-Oct-16	2465329	2030-Aug-13	Yes
IE	2011-Jul-29	17200852.6	2018-Jul-11	EP 3346593	2019-Sep-11	3346593	2031-Jul-29	
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IE	2013-Apr-25	13727651.5	2015-Mar-11	EP 2845445	2021-Aug-11	2845445	2033-Apr-25	
IE	2014-Jun-04	14728546.4	2016-Apr-13	EP 3005834	2018-Mar-21	3005834	2034-Jun-04	
IE	2015-Jun-01	EP15723985.6	2017-May-10	3164638-A	2018-Aug-15	3164638	2035-Jun-01	
IE	2016-Mar-07	16158975.9			2020-Dec-16	3065510	2036-Mar-07	Yes
IN	1999-Sep-17	IN/PCT/00/00088			2007-Oct-08	210549	2019-Sep-17	
IN	2000-Jun-22	IN/PCT/01/00256			2007-Nov-13	211993	2020-Jun-22	
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IN	2006-Sep-15	1527/CHENP/2008			2016-May-31	273359	2026-Sep-15	
IN	2006-Sep-25	1494/CHENP/2008			2021-Apr-30	365765	2026-Sep-25	
IN	2006-Oct-06	1848/CHENP/2008			2017-Jan-30	279727	2026-Oct-06	
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IN	2006-Nov-20	2527/CHENP/2008			2017-Jan-20	279420	2026-Nov-20	
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IN	2007-Jan-10	3715/CHENP/2008			2017-Mar-09	281232	2027-Jan-10	
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IN	2007-Mar-02	4704/CHENP/2008			2016-Oct-21	276461	2027-Mar-02	
IN	2007-Apr-20	5937/CHENP/2008			2016-Aug-05	274743	2027-Apr-20	
IN	2007-Jun-19	6765/CHENP/2008			2018-Apr-09	295589	2027-Jun-19	
IN	2007-Jun-22	6676/CHENP/2008			2019-Mar-15	309313	2027-Jun-22	Yes
IN	2007-Jul-03	126/CHENP/2009			2017-Dec-22	290983	2027-Jul-03	
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IN	2007-Sep-03	1845/CHENP/2009					2027-Sep-03	
IN	2007-Sep-18	2287/CHENP/2009			2017-Oct-20	288556	2027-Sep-18	Yes
IN	2007-Sep-18	2289/CHENP/2009			2020-Jul-08	340926	2027-Sep-18	
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IN	2007-Oct-31	3012/CHENP/2009			2017-Oct-19	288532	2027-Oct-31	
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IN	2008-Apr-11	6602/CHENP/2009			2018-Mar-26	294852	2028-Apr-11	
IN	2008-Apr-23	6827/CHENP/2009			2018-Jan-10	291584	2028-Apr-23	
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IN	2008-May-02	7333/CHENP/2009			2019-Sep-12	320268	2028-May-02	
IN	2008-May-22	7260/CHENP/2009			2019-May-08	312483	2028-May-22	Yes
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IN	2008-Dec-02	4134/CHENP/2010			2019-Mar-26	309898	2028-Dec-02	
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IN	2008-Dec-22	4501/CHENP/2010			2022-Apr-05	394234	2028-Dec-22	
IN	2008-Dec-29	4633/CHENP/2010			2020-Sep-07	346189	2028-Dec-29	
IN	2009-Jan-13	4967/CHENP/2010			2020-Jun-30	339895	2029-Jan-13	Yes
IN	2009-Apr-03	6994/CHENP/2010	2011-Jul-22	6994/CHENP/2010			2029-Apr-03	
IN	2009-Apr-29	7649/CHENP/2010			2020-Aug-31	345741	2029-Apr-29	
IN	2009-May-20	8111/CHENP/2010			2018-Oct-09	301984	2029-May-20	
IN	2009-Jun-03	8420/CHENP/2010			2019-Sep-23	321121	2029-Jun-03	Yes
IN	2009-Jun-12	177/CHENP/2011			2020-Aug-27	345327	2029-Jun-12	
IN	2009-Jul-10	800/CHENP/2011			2020-Feb-17	332145	2029-Jul-10	
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IN	2009-Nov-12	4162/CHENP/2011			2020-Jun-23	339131	2029-Nov-12	
IN	2009-Nov-26	4575/CHENP/2011			2020-Oct-13	349160	2029-Nov-26	Yes
IN	2009-Nov-27	4708/CHENP/2011			2019-Mar-07	308776	2029-Nov-27	
IN	2009-Nov-30	5643/CHENP/2011			2018-Aug-02	299664	2029-Nov-30	
IN	2010-Jan-04	5641/CHENP/2011			2020-Oct-29	350548	2030-Jan-04	
IN	2010-Jan-05	5642/CHENP/2011					2030-Jan-05	
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IN	2010-Feb-02	6179/CHENP/2011			2021-Nov-29	383097	2030-Feb-02	
IN	2010-Feb-26	6796/CHENP/2011					2030-Feb-26	Yes
IN	2010-Mar-11	7028/CHENP/2011			2022-Feb-03	388444	2030-Mar-11	
IN	2010-Mar-11	7034/CHENP/2011			2021-Apr-08	364349	2030-Mar-11	Yes
IN	2010-Mar-15	7601/CHENP/2011			2019-Oct-17	323083	2030-Mar-15	
IN	2010-Mar-30	7929/CHENP/2011			2019-Mar-14	309228	2030-Mar-30	
IN	2010-Mar-31	8026/CHENP/2011			2020-Nov-04	350833	2030-Mar-31	
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IN	2010-Apr-01	8340/CHENP/2011			2023-Mar-09	424554	2030-Apr-01	
IN	2010-Apr-23	8629/CHENP/2011			2020-Mar-20	335480	2030-Apr-23	
IN	2010-May-05	9452/CHENP/2011			2018-Sep-05	300747	2030-May-05	
IN	2010-May-21	9567/CHENP/2011			2020-Sep-28	347990	2030-May-21	
IN	2010-May-26	9568/CHENP/2011			2020-Feb-12	331757	2030-May-26	
IN	2010-May-28	9705/CHENP/2011			2021-Jan-14	355836	2030-May-28	Yes
IN	2010-May-31	9711/CHENP/2011			2019-Jan-01	305191	2030-May-31	Yes
IN	2010-Jun-04	IB2010/052491					2030-Jun-04	
IN	2010-Jun-09	272/CHENP/2012			2022-Nov-28	412660	2030-Jun-09	
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IN	2010-Jun-14	298/CHENP/2012			2020-Aug-14	344131	2030-Jun-14	
IN	2010-Jun-15	271/CHENP/2012			2021-Jan-14	355861	2030-Jun-15	
IN	2010-Jul-14	975/CHENP/2012			2022-Aug-29	404964	2030-Jul-14	
IN	2010-Jul-21	1030/CHENP/2012					2030-Jul-21	Yes
IN	2010-Aug-18	1526/CHENP/2012			2023-Jan-10	417399	2030-Aug-18	
IN	2010-Aug-18	1527/CHENP/2012			2019-Oct-04	322334	2030-Aug-18	Yes
IN	2010-Aug-30	1590/CHENP/2012			2019-Sep-30	322045	2030-Aug-30	
IN	2010-Sep-01	1713/CHENP/2012			2020-Jun-11	338374	2030-Sep-01	
IN	2010-Sep-07	2429/CHENP/2012			2018-Oct-03	301800	2030-Sep-07	
IN	2010-Sep-09	2155/CHENP/2012			2019-Nov-15	325155	2030-Sep-09	
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IN	2011-Mar-01	7571/CHENP/2012			2020-Feb-26	333140	2031-Mar-01	Yes
IN	2011-Mar-11	7755/CHENP/2012			2021-Mar-08	360445	2031-Mar-11	
IN	2011-Apr-01	8057/CHENP/2012			2021-May-29	367981	2031-Apr-01	
IN	2011-Apr-27	8526/CHENP/2012			2020-Jan-06	328971	2031-Apr-27	
IN	2011-Jun-20	352/CHENP/2013	2016-May-20	352/CHENP/2013 A			2031-Jun-20	Yes
IN	2011-Jun-24	1048/CHENP/2013	2016-Aug-31	1048/CHENP/2013-A			2031-Jun-24	
IN	2011-Jun-30	350/CHENP/2013	2016-May-20	350/CHENP/2013-A	2019-Nov-11	324855	2031-Jun-30	
IN	2011-Jul-14	1046/CHENP/2013	2016-Aug-31	1046/CHENP/2013-A	2023-Feb-17	422118	2031-Jul-14	
IN	2011-Aug-11	1305/CHENP/2013			2021-Jan-19	356055	2031-Aug-11	
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IN	2012-Jan-11	6499/CHENP/2013			2021-Aug-11	374346	2032-Jan-11	
IN	2012-Feb-01	6984/CHENP/2013	2016-Jun-17	6984/CHENP/2013 A	2019-Dec-12	327258	2032-Feb-01	
IN	2012-Mar-12	8137/CHENP/2013			2020-Mar-11	334351	2032-Mar-12	
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IN	2012-Mar-23	8353/CHENP/2013			2022-Feb-21	389802	2032-Mar-23	
IN	2012-Mar-27	8352/CHENP/2013			2019-Oct-30	323926	2032-Mar-27	
IN	2012-Mar-28	8503/CHENP/2013			2020-Mar-16	334725	2032-Mar-28	Yes
IN	2012-Mar-28	8345/CHENP/2013			2019-Jun-25	314628	2032-Mar-28	Yes
IN	2012-Apr-02	8224/CHENP/2013	2014-Dec-12	8224/CHENP/2013 A	2021-Aug-16	374596	2032-Apr-02	
IN	2012-Apr-03	8531/CHENP/2013					2032-Apr-03	
IN	2012-May-11	9364/CHENP/2013			2021-Aug-05	373886	2032-May-11	Yes

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IN	2012-Jun-11	9749/CHENP/2013			2022-Aug-02	402847	2032-Jun-11	Yes
IN	2012-Jul-05	421/CHENP/2014			2020-Feb-05	331310	2032-Jul-05	
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IN	2012-Aug-02	846/CHENP/2014	2016-Aug-31	846/CHENP/2014-A	2022-Jun-14	399190	2032-Aug-02	Yes
IN	2012-Sep-11	1872/CHENP/2014			2021-May-25	367505	2032-Sep-11	Yes
IN	2012-Sep-11	1875/CHENP/2014			2022-Sep-27	407679	2032-Sep-11	Yes
IN	2012-Sep-14	1726/CHENP/2014	2016-Jul-01	1726/CHENP/2014-A	2021-Jan-15	355925	2032-Sep-14	Yes
IN	2012-Oct-05	2303/CHENP/2014			2022-Dec-26	415491	2032-Oct-05	
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IN	2012-Oct-17	2654/CHENP/2014					2032-Oct-17	
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IN	2012-Dec-11	4755/CHENP/2014					2032-Dec-11	
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IN	2014-Apr-21	7443/CHENP/2015			2022-Mar-21	392375	2034-Apr-21	Yes
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IN	2015-Apr-28	201647042598	2016-Dec-30	201647042598-A	2020-Jun-02	337767	2035-Apr-28	Yes
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IN	2015-Jul-10	201747005152	2017-Jun-02	IN 201747005152				Yes
IN	2015-Jul-14	201747006266	2017-Jun-02	CN 201747006266	2020-May-29	337566	2035-Jul-14	Yes
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IN	2016-Mar-11	201817037341						Yes
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IN	2016-Apr-07	201747039170	2017-Nov-24	IN 201747039170	2022-Sep-06	405822	2036-Apr-07	Yes
IN	2016-Apr-20	201747034432	2017-Oct-06	IN 201747034432	2021-Mar-09	360585	2036-Apr-20	
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IN	2017-Jul-27	201947008962			2022-Aug-03	402921	2037-Jul-27	Yes
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IN	2017-Dec-18	201947011368			2022-Aug-03	402936	2037-Dec-18	

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IT	2004-Apr-21	04760087.9	2006-Feb-01	EP 1620843	2015-Sep-02	1620843	2024-Apr-21	
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IT	2006-Oct-11	14166066.2	2014-Sep-17	EP 2779146	2017-Jul-26	2779146	2026-Oct-11	
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IT	2006-Oct-24	06809677.5	2008-Aug-20	EP 1957857	2011-Oct-12	1957857	2026-Oct-24	
IT	2006-Nov-13	06821415.4	2008-Aug-06	EP 1952055	2019-Jan-09	1952055	2026-Nov-13	
IT	2006-Nov-20	06821499.8		EP 1954975	2012-Jan-11	1954975	2026-Nov-20	
IT	2006-Dec-11	06832203.1		EP 1963735	2010-Sep-29	1963735	2026-Dec-11	
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IT	2006-Dec-13	06842469.6	2008-Sep-10	EP 1966624	2011-Jun-29	1966624	2026-Dec-13	
IT	2006-Dec-13	11155525.6	2011-May-25	EP 2325670	2017-Oct-25	2325670	2026-Dec-13	
IT	2007-Mar-02	07713186.0	2008-Dec-03	EP 1997352	2018-Oct-24	1997352	2027-Mar-02	
IT	2007-Apr-20	07735597.2	2009-Jan-21	EP 2016804	2011-Jun-29	2016804	2027-Apr-20	
IT	2007-May-02	07735739.0	2009-Jan-28	EP 2018795	2016-Dec-14	2018795	2027-May-02	
IT	2007-May-31	07736055.0	2009-Mar-04	EP 2030483	2015-Oct-21	2030483	2027-May-31	
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IT	2007-Jun-20	07789748.6	2009-Mar-25	EP 2039227	2018-Mar-21	2039227	2027-Jun-20	
IT	2007-Jul-05	07825886.0		EP 2052181	2010-Mar-31	2052181	2027-Jul-05	
IT	2007-Aug-09	07836669.7	2009-Nov-18	EP 2119318	2013-Oct-16	2119318	2027-Aug-09	
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IT	2007-Sep-20	07826476.9		EP 2074866	2011-Mar-02	2074866	2027-Sep-20	
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IT	2008-Mar-03	08719540.0	2009-Nov-18	EP 2117648	2015-Aug-26	2117648	2028-Mar-03	Yes
IT	2008-Mar-12	08743813.1			2018-Aug-01	2135487	2028-Mar-12	
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IT	2008-May-01	14195242.4	2015-Apr-22	EP 2863104	2019-Jul-10	2863104	2028-May-01	
IT	2008-May-02	08747545.5	2010-Feb-17	EP 2153115	2021-Jul-07	2153115	2028-May-02	
IT	2008-May-05	08738079.6	2010-Jan-27	EP 2147349	2013-Jul-17	2147349	2028-May-05	
IT	2008-May-22	08751309.9	2010-Mar-24	EP 2164568	2016-Feb-24	2164568	2028-May-22	Yes
IT	2008-Jun-23	08763422.6	2010-Mar-17	EP 2163132	2013-Oct-09	2163132	2028-Jun-23	
IT	2008-Aug-14	08789608.0		EP 2181565	2011-Apr-27	2181565	2028-Aug-14	
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IT	2008-Oct-08	15170674.4	2016-Aug-03	EP 3051586	2018-Feb-21	3051586	2028-Oct-08	
IT	2008-Dec-16	08865696.2	2010-Sep-08	EP 2225916	2017-May-10	2225916	2028-Dec-16	Yes
IT	2008-Dec-29	08870459.8	2010-Sep-22	EP 2229803	2011-Oct-26	2229803	2028-Dec-29	
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IT	2009-Jun-12	09761216.2	2011-Mar-02	EP 2288848	2018-Dec-26	2288848	2029-Jun-12	
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IT	2009-Aug-11	09786892.1	2011-Apr-20	EP 2311299	2013-Mar-13	2311299	2029-Aug-11	
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IT	2009-Sep-04	09787096.8	2011-Jun-01	EP 2326869	2016-Jun-29	2326869	2029-Sep-04	
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IT	2010-Feb-02	10703518.0	2011-Dec-14	EP 2394300	2018-Aug-15	2394300	2030-Feb-02	
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IT	2010-Aug-13	10808816.2	2012-Jun-20	EP 2465174	2019-Jan-09	2465174	2030-Aug-13	
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IT	2012-Mar-23	12712763.7	2014-Feb-05	EP 2692211	2019-Aug-14	2692211	2032-Mar-23	
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IT	2012-Apr-03	12717488.6	2014-Feb-19	EP 2697337	2019-Jun-12	2697337	2032-Apr-03	
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IT	2012-May-30	12732872.2	2014-Apr-09	EP 2715221	2017-May-10	2715221	2032-May-30	Yes
IT	2012-Jun-11	12738194.5	2014-Apr-16	EP 2719258	2016-Feb-03	2719258	2032-Jun-11	Yes
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IT	2012-Jun-29	12737399.1			2019-Feb-13	2727228	2032-Jun-29	Yes
IT	2012-Aug-02	12775298.8	2014-Jun-18	EP 2742775	2018-Nov-28	2742775	2032-Aug-02	Yes
IT	2012-Aug-30	12784067.6	2014-Jul-09	EP 2752089	2016-Nov-30	2752089	2032-Aug-30	
IT	2012-Aug-30	12759831.6	2014-Jul-09	EP2751477	2018-Apr-25	2751477	2032-Aug-30	Yes
IT	2012-Sep-11	12784071.8	2014-Jun-25	EP 2745046	2015-Nov-25	2745046	2032-Sep-11	Yes
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IT	2012-Sep-14	12779165.5	2014-Jun-25	EP 2745624	2015-Mar-04	2745624	2032-Sep-14	Yes
IT	2012-Oct-05	12795854.4	2014-Jul-02	EP 2748975	2019-Apr-03	2748975	2032-Oct-05	
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IT	2013-Jan-02	13703878.2	2014-Aug-06	EP 2761978	2016-Apr-06	2761978	2033-Jan-02	
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IT	2013-Jan-25	13710564.9	2014-Dec-10	EP 2810534	2019-Nov-06	2810534	2033-Jan-25	
IT	2013-Jan-30	16200531.8	2017-Jun-17	EP 3182807	2020-Aug-12	3182807	2033-Jan-30	Yes
IT	2013-Jan-30	13711957.4	2014-Dec-24	EP 2815633	2016-Dec-14	2815633	2033-Jan-30	Yes
IT	2013-Feb-22	13717316.7	2014-Dec-17	EP 2823691	2019-Apr-10	2823691	2033-Feb-22	
IT	2013-Mar-04	13718392.7	2015-Jan-14	EP 2823692	2018-May-16	2823692	2033-Mar-04	Yes
IT	2013-Mar-06	13718394.3	2015-Jan-21	EP 2825820	2018-Jan-03	2825820	2033-Mar-06	Yes
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IT	2013-Apr-25	13727651.5	2015-Mar-11	EP 2845445	2021-Aug-11	2845445	2033-Apr-25	
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IT	2013-May-06	13729464.1	2015-Mar-25	EP 2850917	2017-Feb-22	2850917	2033-May-06	Yes

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IT	2013-May-21	13734501.3	2015-Apr-15	EP 2858854	2018-Jan-03	2858854	2033-May-21	Yes
IT	2013-May-22	13736961.7	2015-Apr-08	EP 2856490	2016-Mar-09	2856490	2033-May-22	
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IT	2013-Jun-26	13762232.0	2015-May-06	EP 2868163	2020-May-06	2868163	2033-Jun-26	
IT	2013-Jul-04	13763118.0	2015-May-27	EP 2875700	2018-Mar-14	2875700	2033-Jul-04	Yes
IT	2013-Jul-09	13766683.0	2015-May-20	EP 2873302	2021-May-12	2873302	2033-Jul-09	Yes
IT	2013-Jul-12	13765494.3	2015-May-20	EP 2873299	2019-Jan-09	2873299	2033-Jul-12	
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IT	2013-Aug-28	13792978.2	2015-Jul-29	EP 2898755	2021-May-19	2898755	2033-Aug-28	Yes
IT	2013-Sep-17	13799377.0	2015-Jul-29	EP 2898265	2016-Dec-07	2898265	2033-Sep-17	
IT	2013-Oct-17	13818799.2	2015-Sep-02	EP 2912367	2018-Jan-03	2912367	2033-Oct-17	Yes
IT	2013-Dec-05	13818438.7	2015-Oct-14	EP 2929238	2018-Feb-21	2929238	2033-Dec-05	
IT	2013-Dec-05	13818440.3	2015-Oct-14	EP 2929239	2018-Mar-28	2929239	2033-Dec-05	Yes
IT	2014-Mar-12	14713924.0	2016-Feb-03	EP	2017-Feb-22	2979023	2034-Mar-12	
IT	2014-Mar-12	14721012.4	2016-Feb-03	EP 2976928	2020-Feb-26	2976928	2034-Mar-12	Yes
IT	2014-Apr-02	14718773.6	2016-Feb-10	EP 2982221	2021-Aug-04	2982221	2034-Apr-02	
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IT	2014-Apr-21	14719284.3	2016-Mar-09	EP 2992733	2018-Dec-26	2992733	2034-Apr-21	Yes
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IT	2014-Jun-16	14730167.5	2015-Aug-19	EP 2907365	2016-Sep-21	2907365	2034-Jun-16	Yes
IT	2014-Jun-27	14733638.2	2016-May-11	EP	2017-Apr-05	3017661	2034-Jun-27	Yes
IT	2014-Jul-09	14738810.2	2016-Jun-08	EP	2017-Feb-22	3028541	2034-Jul-09	
IT	2014-Jul-23	14741900.6	2016-Jun-08	EP 3028543	2018-Jan-17	3028543	2034-Jul-23	
IT	2014-Aug-18	EP14752339.3	2016-Mar-16	EP 2995174	2016-Oct-12	2995174	2034-Aug-18	Yes
IT	2014-Aug-19	19172206.5	2019-Oct-16	EP 3554198	2021-Apr-07	3554198	2034-Aug-19	
IT	2014-Aug-19	14786281.7	2016-Jun-29	EP 3036976	2019-Oct-09	3036976	2034-Aug-19	
IT	2014-Aug-22	14796256.7	2016-Jul-06	EP 3039947	2019-Dec-11	3039947	2034-Aug-22	Yes
IT	2014-Aug-29	14757933.8	2016-Mar-02	EP 2989864	2016-Oct-12	2989864	2034-Aug-29	Yes
IT	2014-Sep-15	EP14765950.2	2016-Aug-03	EP 3050402	2017-Dec-06	3050402	2034-Sep-15	Yes
IT	2014-Oct-08	EP14786822.8	2016-Aug-17	EP 3055022	2018-Aug-08	3055022	2034-Oct-08	Yes
IT	2014-Oct-14	14793310.5	2016-Aug-24	EP 3058794	2018-Aug-29	3058794	2034-Oct-14	
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IT	2015-Jan-21	15701166.9	2016-Dec-07	EP	2022-Dec-21	3099972	2035-Jan-21	Yes
IT	2015-Jan-27	EP15703247.5	2016-Oct-19	EP 3080512	2017-Jun-07	3080512	2035-Jan-27	Yes
IT	2015-Jan-30	15702252.6	2016-Dec-07	EP	2019-Mar-13	3100250	2035-Jan-30	Yes
IT	2015-Feb-09	15710002.5	2017-Jan-04	EP	2019-Jan-30	3111727	2035-Feb-09	Yes
IT	2015-Feb-16	15711291.3	2017-Jan-04	EP	2020-Jan-01	3111729	2035-Feb-16	
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IT	2015-Mar-11	15709474.9	2016-Mar-02	EP 2989373	2016-Nov-16	2989373	2035-Mar-11	Yes
IT	2015-Apr-28	EP15727463.0	2017-Mar-22	EP	2019-Aug-14	3143842	2035-Apr-28	Yes
IT	2015-May-27	15726916.8	2017-Apr-19	3155875-A	2017-Dec-27	3155875	2035-May-27	Yes
IT	2015-Jun-01	EP15723985.6	2017-May-10	3164638-A	2018-Aug-15	3164638	2035-Jun-01	
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IT	2015-Jul-02	15733747.8	2016-Dec-14	EP	2017-Jun-07	3102870	2035-Jul-02	Yes
IT	2015-Jul-08	15734685.9	2017-May-24	3170373-A	2020-Sep-09	3170373	2035-Jul-08	Yes
IT	2015-Jul-15	EP15176831.4	2016-Feb-17	EP 2985510	2017-Jun-28	2985510	2035-Jul-15	Yes
IT	2015-Sep-18	15771881.8	2017-Aug-09	EP 3201696				Yes
IT	2015-Sep-30	EP15784476.2	2017-Aug-09	EP 3201524	2018-Feb-28	3201524	2035-Sep-30	
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IT	2015-Nov-03	15790913.6	2017-Sep-13	EP 3216317	2020-Jan-08	3216317	2035-Nov-03	
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IT	2016-Mar-11	19172759.3			2022-Nov-16	3570643		Yes
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IT	2016-Jun-08	16732481.3	2018-Apr-25	EP 3311632	2020-Feb-26	3311632	2036-Jun-08	Yes
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IT	2017-Mar-20	17710760.4	2019-Jan-30	EP 3434074	2020-May-06	3434074	2037-Mar-20	Yes
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IT	2019-Oct-21	19787278.1	2021-Sep-08	EP 3874196	2022-Dec-28	3874196		Yes
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KR	2003-Dec-11	10-2005-7011572			2010-Sep-08	10-0982167	2023-Dec-11	
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KR	2009-Jan-13	10-2010-7018065			2016-Dec-14	10-1687942	2029-Jan-13	Yes
KR	2009-Jun-03	10-2011-7000415			2016-Nov-17	10-1679059	2029-Jun-03	Yes
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KR	2010-Mar-31	10-2011-7026368			2017-Apr-28	10-1733395	2030-Mar-31	
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KR	2010-Jun-04	10-2012-7000219			2018-Jun-25	10-1872769	2030-Jun-04	
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KR	2011-Apr-22	10-2012-7030878					2031-Apr-22	
LT	2006-Oct-11	14166066.2	2014-Sep-17	EP 2779146	2017-Jul-26	2779146	2026-Oct-11	
LT	2006-Oct-11	11173044.6	2011-Nov-30	EP 2390866	2016-Sep-28	2390866	2026-Oct-11	
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MX	2007-Sep-20	A/2009/003541			2011-Aug-04	288977	2027-Sep-20	
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MX	2012-Apr-20	MX/A/2014/015722			2017-Nov-14	352204	2032-Apr-20	
MX	2012-Apr-20	MX/A/2012/004674			2014-Dec-19	326562	2032-Apr-20	
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MX	2013-Dec-05	MX/A/2015/007092			2017-Nov-23	352410	2033-Dec-05	Yes
MX	2014-Jun-16	MX/A/2015/006353			2017-May-02	347552	2034-Jun-16	Yes
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NL	2006-Sep-15	06775996.9	2008-Jul-02	EP 1938666	2012-May-30	1938666	2026-Sep-15	
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NL	2007-Apr-20	07735597.2	2009-Jan-21	EP 2016804	2011-Jun-29	2016804	2027-Apr-20	
NL	2007-May-31	15177109.4	2016-Mar-23	EP 2999314	2020-Nov-18	2999314	2027-May-31	
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NL	2007-Jun-20	07789748.6	2009-Mar-25	EP 2039227	2018-Mar-21	2039227	2027-Jun-20	
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NL	2007-Oct-19	07861452.6	2009-Aug-12	EP 2087776	2014-Dec-10	2087776	2027-Oct-19	
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NL	2008-Mar-14	18192950.6			2020-Aug-05	3445021	2028-Mar-14	Yes
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NL	2008-May-02	08747545.5	2010-Feb-17	EP 2153115	2021-Jul-07	2153115	2028-May-02	
NL	2008-Aug-28	08807484.4	2010-Jun-02	EP 2190664	2016-Mar-16	2190664	2028-Aug-28	Yes
NL	2008-Oct-08	15170674.4	2016-Aug-03	EP 3051586	2018-Feb-21	3051586	2028-Oct-08	
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NL	2009-Nov-03	09759792.6	2011-Jul-27	EP 2347172	2020-Jan-22	2347172	2029-Nov-03	

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NL	2009-Nov-27	09775293.5	2011-Oct-19	EP 2377371	2016-Apr-20	2377371	2029-Nov-27	
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NL	2015-Jan-30	15702252.6	2016-Dec-07	EP	2019-Mar-13	3100250	2035-Jan-30	Yes
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NL	2016-Dec-01	16805415.3	2018-Oct-24	EP 3391711	2019-Jul-31	3391711	2036-Dec-01	Yes

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NL	2017-Mar-20	17710760.4	2019-Jan-30	EP 3434074	2020-May-06	3434074	2037-Mar-20	Yes
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RU	2012-Mar-28	2013149795	2015-May-20	RU 2587475	2016-Jun-20	2587475	2032-Mar-28	Yes
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RU	2012-May-14	2013156233	2015-Jun-27	RU 2013156233	2017-Jul-03	2624250	2032-May-14	
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US	2004-Jul-21	11/215,538	2006-Mar-16	US2006/005618	2006-Oct-03	7114832	2024-Jul-21	
US	2004-Jul-22	10/897990	2005-Mar-24	US 7140752	2006-Nov-28	7140752	2024-Aug-06	
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US	2004-Aug-06	10/913144	2006-Mar-09	US 7248239	2007-Jul-24	7248239	2024-Jul-24	
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US	2009-Jan-30	12/363268	2010-Aug-05	US 2010195333 A1	2012-Aug-21	8246212	2030-Sep-18	
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US	2009-Apr-30	12/433222	2010-Nov-04	US 8482223	2013-Jul-09	8482223	2030-May-04	Yes
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US	2009-Jul-03	13/002801	2011-May-19	US 8604700	2013-Dec-10	8604700	2030-Aug-17	Yes
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US	2009-Nov-30	13/143634	2011-Nov-03	US 8292471	2012-Oct-23	8292471	2029-Nov-30	
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US	2009-Dec-30	12/650139		US 8317371	2012-Nov-27	8317371	2029-Dec-30	
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US	2010-Jun-04	13/376294	2012-Nov-01	US 9184497	2015-Nov-10	9184497	2032-Jul-11	
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US	2010-Jun-07	12,795,629	2011-Apr-28	US 2011098867	2012-May-22	8,185,333	2030-Aug-24	Yes
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US	2010-Jul-14	13/386479	2012-May-17	US 8939605	2015-Jan-27	8939605	2030-Jul-14	
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US	2010-Jul-19	13/386488	2012-Jul-12	US 9468079	2016-Oct-11	9468079	2033-Dec-08	
US	2010-Jul-19	14/968,693			2017-Nov-07	9810417	2030-Dec-22	Yes
US	2010-Jul-19	13/237,094			2013-Dec-03	8596837	2030-Dec-08	Yes
US	2010-Jul-21	13/387372	2012-May-24	US 9420672	2016-Aug-16	9420672	2030-Jul-21	Yes
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US	2010-Sep-10	13/496539	2012-Jul-05	US 2012170265	2017-Aug-22	9743521	2032-Jun-27	Yes
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US	2010-Sep-16	13/862,360	2013-Sep-26	US 2013253925	2015-Jul-21	9,087,514	2031-Apr-05	Yes
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US	2010-Sep-29	13/500101	2012-Aug-02	US 9039252	2015-May-26	9039252	2031-May-05	
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US	2011-Mar-15	16/538,709			2020-Jan-07	10527264	2039-Aug-12	
US	2011-Mar-15	15/470,631			2019-Aug-13	10378738	2031-Mar-15	
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US	2011-Apr-21	15/192,155			2017-Mar-07	9587814	2031-Apr-21	
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US	2011-Apr-21	14/330,728	2014-Oct-30	2014-0321131	2017-Jun-13	9677727	2032-Oct-12	
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US	2011-May-31	61/491676						Yes
US	2011-Jun-03	13/198,854	2012-Dec-06	US 2012306381	2014-Jul-15	8779681	2032-Mar-12	Yes
US	2011-Jun-03	14/329,241	2014-Oct-30	US 2014320024	2018-Jan-16	9872359	2031-Jun-03	Yes
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US	2011-Jun-07	13/155,253	2012-Dec-13	US 2012312874	2014-Nov-25	8,893,968	2032-Feb-01	Yes
US	2011-Jun-13	61/496119						Yes
US	2011-Jun-14	13/159,798	2012-Dec-20	US 2012319616	2014-Sep-02	8820963	2032-Jan-13	Yes
US	2011-Jun-16	13/703717	2013-Oct-24	US 9288866	2016-Mar-15	9288866	2032-Mar-07	
US	2011-Jun-16	15/046,121	2016-Aug-25	US 9609717	2017-Mar-28	9609717	2031-Jun-16	
US	2011-Jun-20	13/808789	2013-May-02	US 9247616	2016-Jan-26	9247616	2031-Jun-20	Yes
US	2011-Jun-20	61/498864						
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US	2011-Jun-30	13/174404		US 8593075	2013-Nov-26	8593075	2032-May-22	
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US	2011-Sep-05	13/820571	2013-Jun-27	US 2013162172	2015-Jan-13	8933903	2031-Sep-20	Yes
US	2011-Sep-19	61/536120						Yes
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US	2011-Nov-22	13/989472	2013-Sep-26	US 9313838	2016-Apr-12	9313838	2031-Nov-22	
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US	2011-Dec-14	13/997521	2013-Oct-17	US 9357614	2016-May-31	9357614	2031-Dec-14	Yes
US	2011-Dec-16	14/701,791	2015-Nov-26	US 9502984	2016-Nov-22	9502984	2031-Dec-16	Yes
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US	2012-Jan-20	13/355,182	2013-Jul-25	US 2013187572	2016-Aug-30	9,433,046	2034-Feb-26	Yes
US	2012-Jan-20	61/588,977						Yes
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US	2012-Feb-28	14/729,941			2016-Sep-06	9,435,510	2032-Feb-28	
US	2012-Feb-28	15/257,730			2017-Feb-21	9,574,746	2032-Feb-28	
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US	2012-Mar-08	61/608286						Yes
US	2012-Mar-09	61/608696						
US	2012-Mar-12	13/417622	2012-Jul-05	US 8816602	2014-Aug-26	8816602	2032-Mar-12	
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US	2012-Mar-28	14/009118	2014-Jan-16	US 9258868	2016-Feb-09	9258868	2032-Mar-28	Yes
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US	2012-Apr-02	14/042751	2015-Apr-02	US 2015092419	2020-May-12	10648623	2035-Feb-03	
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US	2012-Apr-03	61/619518						Yes
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US	2012-May-04	13/464,077			2014-Dec-02	8899786	2032-Sep-05	
US	2012-May-08	61/643976						
US	2012-May-10	61/645102						Yes
US	2012-May-11	14/117391	2015-Mar-05	US 9301356	2016-Mar-29	9301356	2032-May-11	Yes
US	2012-May-11	61/645780						
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US	2012-May-15	61/646934						Yes
US	2012-May-17	13/473839		US 8587211	2013-Nov-19	8587211	2028-Mar-12	Yes
US	2012-May-29	61/652375						Yes
US	2012-May-30	14/119683	2014-Apr-03	US 9416939	2016-Aug-16	9416939	2032-May-30	Yes
US	2012-Jun-01	14/126527	2014-May-01	US 9249962	2016-Feb-02	9249962	2032-Jun-01	
US	2012-Jun-04	61/654991						Yes
US	2012-Jun-05	13/488580		US 8581504	2013-Nov-12	8581504	2028-Dec-31	
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US	2012-Jun-11	14/123415	2014-May-01	US 9253847	2016-Feb-02	9253847	2032-Jun-11	Yes
US	2012-Jun-13	14/126084		US 9273832	2016-Mar-01	9273832	2032-Jun-13	Yes
US	2012-Jun-15	14/126097	2014-Aug-14	US 2014226337	2017-Jan-10	9541240	2032-Jun-15	Yes
US	2012-Jun-25	13/531661	2012-Oct-18	US 8491154	2013-Jul-23	8491154	2032-Jun-25	
US	2012-Jun-27	61/664885						
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US	2012-Jun-27	61/665027						Yes
US	2012-Jun-29	13/537301	2013-Jan-03	US 8947016	2015-Feb-03	8947016	2032-Feb-02	Yes
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US	2012-Jul-16	61/671940						
US	2012-Jul-20	61/673814						Yes

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US	2012-Dec-05	61/733476						Yes
US	2012-Dec-10	14/367953	2014-Nov-27	US 2014347856	2017-Nov-07	9810380	2033-Mar-22	Yes
US	2012-Dec-11	14/365133		US 9380658	2016-Jun-28	9380658	2032-Dec-11	
US	2012-Dec-13	15/492,342	2014-Nov-13	2014/0334149	2020-Jan-21	10539310	2032-Dec-13	Yes
US	2012-Dec-13	16/741,802			2023-Mar-07	11598507	2033-Dec-31	Yes
US	2012-Dec-13	14/364,803	2014-Nov-13	2014/0334149	2017-May-23	9,657,930	2033-Feb-24	Yes
US	2012-Dec-26	13/726793	2013-May-09	US 8807765	2014-Aug-19	8807765	2032-Dec-26	
US	2013-Jan-02	14/370607	2014-Dec-25	US 8975820	2015-Mar-10	8975820	2033-Jan-02	
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US	2013-Jan-08	61/749966						Yes
US	2013-Jan-10	14/371867	2015-Jan-01	US 9279547	2016-Mar-08	9279547	2033-Jan-10	
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US	2013-Jan-22	13/746,643			2015-Nov-17	9188294	2034-Jan-02	Yes
US	2013-Jan-22	13/746,817			2015-Aug-18	9109783	2033-Jun-30	
US	2013-Jan-25	14/372846	2014-Dec-04	US 9326344	2016-Apr-26	9326344	2033-Jan-25	
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US	2013-Jan-30	14/375913	2015-Jan-22	US 2015022123	2016-Oct-25	9480130	2033-Jan-30	Yes
US	2013-Feb-04	13/757919	2014-Jul-10	US 9429279	2016-Aug-30	9429279	2029-Apr-13	
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US	2013-Feb-22	14/377197			2016-Dec-20	9526133	2033-Apr-07	
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US	2013-Mar-13	14/037001	2015-Jan-13	US 8933648	2015-Jan-13	8933648	2033-Mar-13	Yes
US	2013-Mar-14	61/782,305						Yes
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US	2013-Mar-15	13/833587		US 9184666	2015-Nov-10	9184666	2033-Mar-15	
US	2013-Mar-18	61/802916						Yes
US	2013-Mar-20	14/387260		US 9445465	2016-Sep-13	9445465	2033-Jun-09	
US	2013-Mar-22	13/849,140			2014-Aug-05	8794803	2031-May-13	
US	2013-Mar-27	14/390072		US 9288879	2016-Mar-15	9288879	2033-Mar-27	Yes
US	2013-Apr-01	16/011,097			2019-May-28	10302287	2033-Apr-01	
US	2013-Apr-01	14/607,751			2016-Nov-15	9494306	2033-Apr-01	
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US	2013-Apr-01	15/267,961			2018-Jun-19	10001265	2033-Apr-01	
US	2013-Apr-01	13/854,290			2015-Feb-24	8960971	2033-Sep-12	
US	2013-Apr-02	14/390664	2015-Feb-05	US 2015035452	2017-Jan-03	9538592	2033-Aug-15	
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US	2013-Apr-16	14/395532			2016-Oct-25	9476580	2033-May-05	
US	2013-Apr-26	14/394763			2018-May-22	9980334	2033-Apr-26	
US	2013-May-06	14/400088	2015-Apr-23	US 2015108919	2016-Nov-22	9504115	2033-May-06	Yes
US	2013-May-07	13/888414	2013-Sep-19	US 8922134	2014-Dec-30	8922134	2033-May-07	Yes
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US	2013-May-21	14/405554	2015-Jun-18	US 2015167930	2017-May-02	9638397	2033-May-29	Yes
US	2013-May-22	14/405174	2015-Jun-04	US 2015156884	2019-Jul-23	10362679	2033-May-22	Yes
US	2013-May-22	14/403631	2015-Jun-11	US 2015159813	2017-May-09	9644798	2033-Sep-25	
US	2013-May-28	14/402552	2015-Apr-23	US 9253855	2016-Feb-02	9253855	2033-May-28	Yes
US	2013-Jun-05	61/831,300						Yes
US	2013-Jun-10	61/833,139						
US	2013-Jun-13	13/917194		US 8963449	2015-Feb-24	8963449	2033-Jun-13	
US	2013-Jun-17	14/409143		US 9450481	2016-Sep-20	9450481	2033-Jun-17	
US	2013-Jun-18	14/409171	2015-May-28	US 9370079	2016-Jun-14	9370079	2033-Jun-18	Yes
US	2013-Jun-26	14/409105		US 9426861	2016-Aug-23	9426861	2033-Jun-26	
US	2013-Jul-03	13/934761	2014-Dec-18	US 9119268	2015-Aug-25	9119268	2033-Jul-03	
US	2013-Jul-04	14/415678			2017-Oct-24	9801244	2033-Jul-04	Yes
US	2013-Jul-09	14/413368		US 9398668	2016-Jul-19	9398668	2033-Jul-09	Yes
US	2013-Jul-10	14/413013		US 9383069	2016-Jul-05	9383069	2033-Aug-04	
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US	2013-Aug-26	14/010087	2013-Dec-26	US 9000680	2015-Apr-07	9000680	2033-Aug-26	
US	2013-Aug-27	15/901,625			2019-Oct-15	10443829	2033-Aug-27	
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US	2013-Aug-27	61/870593						Yes
US	2013-Aug-27	16/588,665			2020-Oct-06	10794579	2033-Aug-27	
US	2013-Aug-27	14/011,446			2016-Jun-21	9374869	2034-Aug-20	
US	2013-Aug-28	14/429577			2017-May-23	9661722	2033-Sep-13	Yes
US	2013-Sep-03	61/872,250						Yes
US	2013-Sep-17	14/428648			2018-Feb-13	9890942	2034-Jan-17	
US	2013-Sep-24	14/428652		US 9351357	2016-May-24	9351357	2033-Sep-24	
US	2013-Sep-30	61/884361						Yes
US	2013-Oct-04	14/847,819	2015-Dec-31	US 2015377466	2016-Oct-11	9,468,052	2033-Oct-04	Yes
US	2013-Oct-04	14/530,042	2015-Feb-26	US 2015054406	2015-Oct-06	9,155,145	2033-Oct-04	Yes
US	2013-Oct-04	14/046,459	2015-Jan-22	US 2015021629	2015-Jan-27	8,941,129	2033-Oct-04	Yes
US	2013-Oct-10	14/050478	2014-Feb-06	US 8979319	2015-Mar-17	8979319	2033-Oct-10	
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US	2013-Oct-17	14/438643			2017-Jun-27	9689555	2033-Nov-21	Yes
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US	2013-Oct-24	14/614,361	2015-May-28	US 2015145415	2016-May-24	9,351,358	2033-Oct-24	Yes
US	2013-Oct-24	14/062,079	2015-Jan-22	US 2015022101	2015-Mar-10	8,975,821	2033-Oct-24	Yes
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US	2013-Dec-05	14/649356	2016-Oct-20	US 2016305615	2018-Feb-13	9890928	2034-Jul-13	Yes
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US	2014-Jan-29	14/764284			2019-Mar-26	10240749	2034-Jan-29	Yes
US	2014-Jan-30	14/168,452	2015-Jan-22	US 2015022088	2016-Jan-26	9,247,594	2034-Sep-22	Yes
US	2014-Feb-11	61/938,267						Yes
US	2014-Feb-17	14/767736			2019-Feb-19	10208938	2034-Aug-12	Yes
US	2014-Feb-28	61/946178						
US	2014-Mar-05	14/772571	2016-Feb-04	US 2016033099	2017-Nov-21	9822940	2034-Aug-12	
US	2014-Mar-12	14777907	2016-Sep-29	US 2016286629	2018-Feb-27	9907147	2034-Mar-12	Yes
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US	2014-Apr-01	14/740,975			2016-Nov-15	9494307	2034-Apr-06	
US	2014-Apr-01	14/242,381	2014-Oct-09	2014-0301092	2015-Jun-30	9068722	2034-Apr-01	
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US	2014-Apr-01	15/488,609			2019-Jan-08	10174916	2034-Apr-01	
US	2014-Apr-01	14/242,396			2015-Jun-23	9062837	2034-Apr-01	
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US	2014-Apr-01	16/170,769	2017-Jan-12	2017-0009965	2020-Jun-16	10683994	2034-Apr-01	
US	2014-Apr-02	14/782483	2016-Mar-10	US 2016073474	2017-Nov-07	9814123	2034-Jun-07	
US	2014-Apr-21	14/786738	2016-Mar-17	US 2016076754	2017-Oct-17	9791141	2034-Apr-21	Yes
US	2014-Apr-21	14/888833	2016-Mar-17	US 2016081145	2017-Jan-17	9549447	2034-Apr-21	Yes
US	2014-Apr-30	14/888789	2016-Mar-24	US 2016088721	2018-Jan-16	9872381	2034-Sep-19	Yes
US	2014-Apr-30	14/266003			2017-Apr-25	9635723	2034-Apr-30	Yes
US	2014-May-12	14/274931			2017-May-23	9660547	2032-Jun-23	
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US	2014-May-20	62/000565						Yes
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US	2014-Jun-04	14/895183			2016-Nov-01	9485828	2034-Jun-04	
US	2014-Jun-05	14/897203			2017-Mar-21	9603222	2034-Jun-05	Yes
US	2014-Jun-16	14/895555	2016-Apr-21	US 2016113091	2017-Oct-24	9801252	2034-Jun-16	Yes
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US	2014-Jul-01	62/019,802						Yes
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US	2014-Jul-16	14/905180	2016-Jun-02	US 2016157304	2017-Jan-24	9554436	2034-Jul-16	Yes
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US	2014-Aug-18	14/913137	2016-Jul-21	US 2016212807	2018-Feb-20	9900939	2034-Aug-18	Yes
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US	2014-Aug-27	14/907994	2016-Jun-16	US 2016174329	2019-Jun-04	US 10314135	2034-Aug-27	
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US	2014-Sep-15	15/024220	2016-Sep-15	US 2016270193	2018-Jan-02	9860963	2034-Oct-26	Yes
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US	2014-Dec-05	15/038586	2016-Oct-13	US 2016302272	2018-Apr-17	9949325	2034-Dec-05	Yes
US	2014-Dec-11	14906594	2016-Sep-29	US 2016284949	2017-Jan-03	9537062	2034-Dec-11	Yes
US	2014-Dec-23	14/785932	2016-Oct-27	US 2016312965	2019-Dec-03	10495269	2034-Dec-23	
US	2014-Dec-31	15/110531	2016-Nov-17	US 2016338173	2017-Dec-26	9854647	2034-Dec-31	Yes
US	2015-Jan-14	14/596617	2015-Jun-18	US 2015173146	2019-Jul-16	10356857	2035-Aug-22	
US	2015-Jan-15	15115407	2017-Jan-12	US 2017006848	2019-Apr-09	10251384	2035-Jul-26	Yes
US	2015-Jan-21	15/114,397	2016-Nov-24	US 2016345413	2018-Dec-18	10159138	2035-Jan-21	Yes
US	2015-Jan-23	14/604065		US 9433051	2016-Aug-30	9433051	2035-Jan-23	
US	2015-Jan-26	15114200	2017-Jan-05	US 2017002985	2018-Jun-12	9995437	2035-Jan-26	Yes
US	2015-Jan-27	14/906940	2016-Nov-24	US 9551471	2017-Jan-24	9551471	2035-Jan-27	Yes
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US	2015-Jan-30	15/114,393	2016-Nov-24	US 2016345414	2018-Jul-31	10039172	2035-Jan-30	Yes
US	2015-Feb-03	15116519	2016-Dec-08	US 2016356473	2017-Oct-17	9791139	2035-Feb-03	
US	2015-Feb-09	15/119900	2017-Mar-02	US 2017064169	2019-Oct-29	10462340	2035-Mar-11	Yes
US	2015-Feb-11	16/117,472	2019-Jan-10	US 2019014636	2019-Nov-19	10485072	2035-Feb-11	Yes
US	2015-Feb-11	15/005,104	2016-Jul-21	US 2016212817	2018-Oct-02	10,091,857	2035-Feb-11	Yes
US	2015-Feb-11	14/619,163	2015-Aug-13	US 2015230309	2016-Jan-26	9,247,603	2035-Feb-11	Yes

CTY	Filing Date	Application No.	Pub. Date	Pub. No.	Grant Date	Grant No.	Expiry date	Additional Patent
US	2015-Feb-13	15/122201	2016-Dec-22	US 2016374176	2017-Oct-10	9788394	2035-Feb-13	Yes
US	2015-Feb-16	15/122248	2016-Dec-22	US 2016374179	2017-Sep-19	9769906	2035-Feb-16	
US	2015-Feb-23	15117565	2016-Dec-15	US 2016366745	2019-Jun-25	10334686	2035-Feb-23	
US	2015-Mar-06	62/129,584						Yes
US	2015-Mar-06	62/129,589						Yes
US	2015-Mar-11	14/908216	2016-Dec-29	US 2016377272	2019-Aug-20	10386051	2035-Mar-11	Yes
US	2015-Mar-12	15/129183	2018-Jan-04	US2018-0007766-A1	2019-Jan-15	10182488	2035-Mar-12	Yes
US	2015-Mar-12	16/214499	2019-Apr-18	US 20190116651A1	2020-May-12	10652970	2035-Mar-12	Yes
US	2015-Mar-13	15/124415	2017-Jan-19	US 2017016584	2019-Mar-12	10228097	2035-Mar-13	
US	2015-Mar-17	15/127326	2017-May-25	2017-0150571 A1	2018-Jul-31	10039170	2035-Mar-17	Yes
US	2015-Apr-01	14/676,449	2015-Jul-23	US 9426866	2016-Aug-23	9426866	2035-Apr-01	
US	2015-Apr-28	15/311174	2017-Mar-16	US-2017-0079111-A1	2018-Jun-12	9999108	2035-Apr-28	Yes
US	2015-Apr-29	16/259,977			2020-Jun-09	10677426	2035-Apr-29	
US	2015-Apr-29	14/699,915			2017-Dec-05	9835314	2036-Jan-22	
US	2015-Apr-29	15/820,126			2019-Jan-29	10190752	2035-Apr-29	
US	2015-May-01	14/702,555			2017-Oct-31	9803836	2036-Jan-07	
US	2015-May-21	14/718254	2016-Mar-31	US 2016095192	2017-Apr-04	9615434	2035-May-21	Yes
US	2015-May-27	15/317008	2017-Apr-13	2017-0105273 A1	2018-Oct-02	10091864	2035-May-27	Yes
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US	2015-May-28	15/595,550			2018-Feb-13	9890943	2035-May-28	
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US	2015-Jun-01	15/323443	2017-May-18	2017-0138580 A1	2019-Oct-29	10458639	2035-Jun-01	
US	2015-Jun-08	15/320067	2017-Jun-08	2017-0164438 A1	2019-Mar-05	10225898	2035-Jun-08	
US	2015-Jun-11	14/736,996			2017-Aug-15	9732947	2033-Jan-22	
US	2015-Jun-19	15/322218	2017-May-18	2017-0142811 A1	2018-May-22	9980353	2035-Jun-19	
US	2015-Jun-24	15/322667	2017-May-18	2017-0141619 A1	2018-Nov-27	10141792	2036-Jan-04	
US	2015-Jul-01	14/788,837			2017-Jan-10	9541261	2035-Jul-22	Yes
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US	2015-Jul-10	15/326921	2017-Jul-20	US-2017-0208673-A1	2021-Feb-23	10932345	2035-Jul-10	Yes
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US	2015-Jul-16	15/327219	2017-May-25	2017-0146220 A1	2019-Jan-22	10184642	2035-Jul-16	
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US	2015-Jul-24	62/196,731						Yes
US	2015-Jul-24	14/807921			2017-Jul-18	9709222	2035-Aug-25	Yes
US	2015-Aug-25	14/835045			2017-Aug-29	9746171	2030-May-21	
US	2015-Aug-27	62/210755						Yes
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US	2015-Sep-18	62/220515						Yes
US	2015-Sep-21	14/860235		US 9497832	2016-Nov-15	9497832	2035-Sep-21	Yes
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US	2015-Sep-25	15/516923	2017-Oct-26	US-2017-0311425-A1	2018-Sep-25	10085329	2035-Sep-25	
US	2015-Sep-30	15/515590	2018-Dec-06	US20080347771A1	2019-Nov-19	10480733	2035-Dec-02	
US	2015-Oct-27	15/522226	2017-Nov-09	US-2017-0325302-A1	2018-Sep-04	10070487	2035-Oct-27	Yes
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US	2015-Nov-23	14/948445	2016-Mar-17	US 2016077599	2019-Apr-23	10271408	2036-Apr-30	
US	2015-Dec-03	15/505,877	2018-Sep-27	US 2018279452	2019-Jun-11	10,321,546	2035-Dec-03	Yes
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US	2016-Jan-04	14/987369	2016-Apr-28	US 2016116120	2019-Jun-25	10330297	2036-Jan-04	
US	2016-Jan-04	16426659	2019-Sep-12	US-2019-0277483-A1	2022-Mar-01	11262058	2036-Jan-04	
US	2016-Feb-19	62/297,424						
US	2016-Mar-04	15/061,611			2017-May-30	9,665,262	2036-Mar-04	Yes
US	2016-Mar-04	15/061,600			2017-Aug-22	9743482	2036-Mar-04	Yes
US	2016-Mar-11	15/514,769	2018-Dec-20	US 2018368237	2021-Mar-16	10952305	2036-Mar-11	Yes
US	2016-Apr-05	15/091322	2016-Jul-28	US 2016219665	2017-Nov-14	9820348	2036-Apr-05	
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US	2016-May-23	15/161370	2016-Dec-08	US 2016360588	2018-May-08	9967935	2036-May-23	
US	2016-May-24	62/340,971						
US	2016-Jun-08	15/737886	2018-Oct-18	US-2018-0302963-A1	2019-Aug-06	10375782	2036-Jun-08	Yes
US	2016-Jul-21	15/215,923			2018-May-15	9970649	2036-Nov-25	Yes
US	2016-Jul-21	15/950,951			2020-Feb-25	10571113	2036-Jul-21	Yes
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US	2016-Aug-05	62/371,394						Yes
US	2016-Aug-09	15/753833	2018-Aug-23	US-2018-0242430-A1	2020-Aug-18	10750598	2036-Aug-09	Yes
US	2016-Aug-23	15/757351	2018-Aug-23	US-2018-0242435-A1	2019-Jul-16	10356885	2036-Aug-23	Yes

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US	2016-Aug-24	15246159	2017-Mar-02	US 2017059095	2021-Nov-16	11175000	2036-Aug-24	
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US	2016-Aug-24	15245327	2016-Dec-15	US 2016366743	2017-Apr-11	9622315	2036-Aug-24	Yes
US	2016-Aug-24	15/759397	2018-Sep-20	US-2018-0270933-A1	2020-Jun-09	10681792	2036-Aug-24	Yes
US	2016-Sep-14	15/265,241			2019-Dec-17	10512138	2037-Jan-02	Yes
US	2016-Oct-07	62/405,718						
US	2016-Oct-07	15/288,844			2017-Aug-08	9730291	2036-Oct-07	Yes
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US	2016-Oct-21	15/299782	2017-Feb-09	US 2017038054	2019-Feb-26	10215393	2036-Oct-27	
US	2016-Oct-21	16/260696	2019-May-23	US-2019-0154247-A1	2020-May-26	10663158	2036-Oct-21	
US	2016-Nov-22	15/778528	2018-Dec-13	US 20180359826A1	2019-Mar-12	US 10231297	2036-Nov-22	
US	2016-Dec-01	16061083	2018-Dec-20	US 2018368239A1	2022-Jan-11	11224111	2037-Jan-24	Yes
US	2016-Dec-07	16/061208	2018-Dec-13	US-2018-0359649-A1	2020-Jan-14	10536864	2036-Dec-07	Yes
US	2017-Jan-06	15/399997	2017-Apr-27	2017-0118827-A1	2017-Dec-26	9854651	2037-Jan-06	
US	2017-Feb-16	16/601,334			2020-Jul-28	10726794	2037-Feb-16	
US	2017-Feb-16	15/696,808			2019-May-14	10292233	2037-Feb-16	
US	2017-Feb-16	17/314,092	2021-Aug-26	US-2021-0262636-A1	2022-Aug-09	11408588	2037-Feb-16	
US	2017-Feb-16	15/727,833			2018-Oct-30	10,117,300	2037-Feb-16	
US	2017-Feb-16	16/840,982			2021-Aug-31	11105476	2037-Feb-16	
US	2017-Feb-16	15/892,192			2018-Dec-25	10163405	2037-Feb-16	
US	2017-Feb-16	16/412,215			2020-Mar-24	10602584	2037-Feb-16	
US	2017-Feb-16	16/014,394			2019-May-21	10299336	2037-Feb-16	
US	2017-Feb-16	15/685,358			2018-Feb-13	9892693	2037-Feb-16	
US	2017-Feb-16	16/108,741			2019-Dec-10	10,506,682	2037-Feb-16	
US	2017-Feb-16	16/403,065			2020-Feb-25	10575380	2037-Feb-16	
US	2017-Feb-16	16935554	2020-Nov-05	US-2020-0349896-A1	2022-Mar-22	11280460	2037-Apr-13	
US	2017-Feb-16	15/435,141			2017-Nov-14	9820350	2037-Feb-16	
US	2017-Feb-16	15/811,062			2019-May-21	10299335	2037-Feb-16	
US	2017-Feb-16	16/142,605			2019-May-14	10,290,265	2037-Feb-16	Yes
US	2017-Feb-16	16/195,452			2019-Oct-29	10460675	2037-Feb-16	
US	2017-Feb-16	17/877,688	2022-Nov-17	US20220364707A1				
US	2017-Feb-16	16/392,422		US 2020335049	2020-Aug-04	10,733,944	2037-Feb-16	Yes
US	2017-Feb-16	16/797,512			2021-Jan-26	10904970	2037-Feb-16	
US	2017-Feb-16	16/821,381			2021-May-11	11002424	2037-Feb-16	
US	2017-Feb-16	16/398,682			2020-Apr-07	10616969	2037-Feb-16	
US	2017-Feb-16	16/921040	2020-Oct-22	US 2020335049	2022-Aug-09	11408571	2037-Jun-05	Yes
US	2017-Mar-20	16/087164	2019-Apr-18	US 20190116645A1	2019-Aug-20	10390411	2037-Mar-20	Yes
US	2017-Mar-29	16/105,288			2019-Jul-16	10,356,860	2037-Mar-29	
US	2017-Mar-29	16/430,097			2020-Jul-21	10721803	2037-Mar-29	
US	2017-Mar-29	15/472,873			2018-Aug-21	10,057,948	2037-Mar-29	
US	2017-Mar-29	16926915	2020-Oct-29	US-2020-03448599-A1	2022-Apr-05	11297701	2037-Mar-29	
US	2017-Apr-03	15/477514	2017-Jul-20	US-2017-0205045-A1	2019-Jul-30	10364959	2037-Apr-03	Yes
US	2017-Apr-19	16/095056	2019-Apr-04	US-2019-0104596-A1	2019-Oct-01	10433399	2037-Apr-19	Yes
US	2017-May-03	62/500,743						
US	2017-May-03	62/500,945						Yes
US	2017-May-18	15/598924	2017-Sep-07	US-2017-0257926-A1	2018-Oct-02	10091858	2037-May-18	Yes
US	2017-May-22	16306591	2019-Jun-20	US 20190186714A1	2021-Oct-19	11149925	2037-May-22	Yes
US	2017-Jun-29	15/651,941			2020-Apr-21	10627093	2037-Jun-29	Yes
US	2017-Jun-29	15/636,923	2018-Nov-08	US 2018320878	2019-Nov-26	10488028	2037-Jul-01	Yes
US	2017-Jul-27	15/661,930			2019-Jan-08	10174917	2037-Jul-27	
US	2017-Jul-27	16/324664	2019-Jun-06	US-2019-0174606-A1	2020-Jan-21	10542611	2037-Jul-27	Yes
US	2017-Jul-27	16/241,836			2020-Aug-04	10731829	2037-Jul-27	
US	2017-Aug-07	16/191,902	2018-Feb-08	2018-0042076	2019-Nov-05	10470270	2037-Aug-07	Yes
US	2017-Aug-07	16/595,966	2020-Feb-06	US 20200045787A1	2020-Jun-30	10701778	2037-Aug-07	Yes
US	2017-Aug-07	15/670,659	2018-Feb-08	2018-0042076	2018-Dec-11	10154560	2037-Aug-07	Yes
US	2017-Aug-07	15/670,671	2018-Feb-08	2018-0038581	2019-Feb-05	10201057	2037-Aug-07	Yes
US	2017-Aug-16	17/096,165	2021-Mar-04	US 2021063006	2022-May-17	11333341	2037-Aug-16	Yes
US	2017-Aug-16	16/239,626			2021-Mar-02	10935227	2037-Aug-16	Yes
US	2017-Aug-16	15/678,880			2019-Feb-19	10208940	2037-Aug-16	Yes
US	2017-Aug-16	17/734,105	2022-Aug-18	US-2022-0260240-A1				Yes
US	2017-Sep-26	62/563,418						Yes
US	2017-Oct-02	15/722574	2018-Jan-25	US-2018-0027623-A1	2019-May-14	10292225	2037-Oct-02	Yes
US	2017-Oct-06	16/450,378			2020-Apr-14	10,624,170	2037-Oct-06	
US	2017-Oct-06	15/727,248			2019-Jun-25	10,334,678	2037-Oct-06	
US	2017-Oct-10	16/343117	2019-Aug-22	US-2019-0261484-A1	2020-Feb-04	10555399	2037-Oct-10	Yes
US	2017-Dec-09	16890788	2020-Sep-17	US-2020-0296811-A1	2022-Jun-28	11371682	2038-Mar-06	
US	2017-Dec-09	16/708,016	2020-Apr-16	US 20200120775A1	2020-Jun-09	10/681,785	2037-Dec-09	
US	2017-Dec-18	16/336139	2019-Oct-17	16336139	2020-Jun-02	10670194	2037-Dec-18	
US	2017-Dec-21	16/479974	2019-Dec-12	US-2019-0380178-A1	2020-Mar-17	10595375	2037-Dec-21	Yes

Annex A to the LED-based Luminaire and Retrofit Bulb Patent License Agreement
List of Patents

CTY	Filing Date	Application No.	Pub. Date	Pub. No.	Grant Date	Grant No.	Expiry date	Additional Patent
US	2018-Jan-05	15/863405	2019-Jul-11	US-2019-0215934-A1	2020-Mar-03	10582593	2038-Jan-05	Yes
US	2018-Feb-07	15890391	2018-Aug-16	US-2018231710	2021-Feb-02	10908351	2038-Feb-07	Yes
US	2018-Feb-19	16489417	2020-Jan-09	US 20200015340A1	2020-Nov-17	10842006	2038-Feb-19	Yes
US	2018-Apr-27	16/574,518			2021-Jun-22	11041595	2038-Apr-27	
US	2018-Apr-27	15/964,880			2019-Sep-24	10422494	2038-Apr-27	
US	2018-May-23	15/987,362			2019-Dec-10	10502397	2038-Jun-03	
US	2018-May-23	16/708,118			2020-Nov-17	10837625	2038-May-23	
US	2019-Mar-01	16/290,414			2019-Dec-10	10,502,404	2039-Mar-01	
US	2019-Mar-01	16/911627	2020-Oct-15	US 2020326062	2021-Aug-10	11,085,621	2039-Mar-01	
US	2019-Mar-01	16/707,892			2020-Jul-21	10/718,501	2039-Mar-01	
US	2019-Oct-01	16/589,146	2020-Jan-30	US 2020032993	2022-May-31	11346540	2039-Oct-01	Yes
US	2019-Oct-21	17/288,743	2022-Apr-21	US 20220120426	2022-Oct-11	11466847	2039-Oct-21	Yes
US	2021-Jul-09	17/371,423			2022-Nov-29	RE49320	2041-Jul-09	

LEGEND

CTY	Country Code as used by WIPO
App. No.	Number of the patent application at the respective patent office
Fil. Date	Filing Date
Pub. No.	Publication Number
Pub. Date	Publication Date
Grant No.	Grant Number
Grant Date	Grant Date
Expiry Date	Estimated Expiry Date*
Additional Patent	Rights marked "Yes" are Additional Patents under the EnabLED Licensing Program

* In case the estimated expiry date deviates from the actual expiry date, the latter prevails.

NOTES:

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