

## Kind Code summary

Argentina (AR)		DWPI Start Date
A	Examined granted patents (1975 only)	6 February 1975
A1	Patent Application	18 March 2015
A2	Divisional patent application	18 March 2015
A3	Patent of addition	18 March 2015
A4	Utility model application	18 March 2015
A5	Divisional utility model application	18 March 2015
A6	Utility model additional application	18 March 2015

Armenia (AM)		DWPI Start Date
A	Unexamined OPI application	1 September 2008
A1	Basic Patent	4 April 2003
A2	Provisional patent application	4 April 2003
B2	Granted patent, following publication as an A2	27 September 2004
U	Utility model	4 April 2003

Australia (AU)		DWPI Start Date
A	OPI document (standard and petty patent applications)	4 January 1983
A1	OPI document (standard and petty patent applications)	18 July 2002
A2	Amended OPI document (standard and petty patent applications)	31 July 2001
A4	Granted / OPI innovation patent	7 June 2001
A5	Pre-grant / OPI innovation patent	28 August 2003
A6	Amended innovation patent after grant	6 December 2001
A8	Corrected document (bibliographic data A1 – A5)	28 June 2001
A9	Corrected document (complete reprint A1 – A5)	21 June 2001
B	Examined and accepted patent	28 January 1993
B1	Accepted standard – OPI at acceptance	7 March 2002
B2	Accepted standard – previously OPI	2 September 1993
B3	Granted petty irrespective of whether previously OPI or not	17 October 1991
B4	Certified innovation patent (following an A4 or A5 document kind)	21 June 2001
B8	Corrected document (bibliographic data B1 – B4)	16 August 2001
B9	Corrected document (complete reprint B1 – B4)	5 July 2001
C1	Amended after acceptance/grant of a standard patent	22 December 2011
C4	Amended after certification of an innovation patent	2 February 2012
C8	Corrected document (bibliographic data C1 - C4)	28 June 2012
C9	Corrected C1 or C4 document (complete reprint)	2 February 2012

Austria (AT)		DWPI Start Date
A	Old law application (examined patent application)	15 March 1975
A1	Publication of application with search report	15 October 2005
A2	Publication of application without search report	15 October 2005
A3	Publication of search report	15 January 2006
A4	A2 document published on same day as B document (no A3)	15 December 2005
A5	Supplementary search report	15 April 2006
A8	Corrected first page of A document	15 April 2006
A9	Corrected complete A document	15 January 2007
B	Old law patent (granted patent)	15 December 1992
B1	Granted patent not preceded by OPI	12 December 2005
B2	Publication of patent restricted after opposition	15 March 2012
B8	Corrected first page of granted patent	N/A
B9	Corrected complete granted patent	N/A
U1	Utility model with search report	15 January 2010
U2	Utility model without search report	15 January 2010
U3	Utility model search report only	N/A
U8	Corrected first page of utility model	N/A
U9	Corrected complete utility model	N/A

Belarus (BY)		DWPI Start Date
C1	Granted patent	30 March 2003
C2	Amended granted patent	30 March 2003
C8	Corrected front page	30 March 2003
C9	Corrected document	30 March 2003

Belgium (BE)		DWPI Start Date
A	Patent of invention (until 1986)	1963
A0	Unexamined application (6 or 20 yrs)	15 June 1993
A1	Patent granted without examination	2 February 2010
A3	Initial text with search report	19 March 1991
A4	Changed/corrected text with search report	7 April 1992
A5	Text with amended claims and search report	7 April 1992
A6	6-Year patent of invention text as filed	7 April 1992
A7	Corrected 6-year patent of invention	16 April 1991
B1	Patent for an invention	2 December 2014
B3	Patent of invention - second publication of A3 (max. 20 years)	23 November 1993
B5	Patent of invention - second publication of A5	15 February 1994
B6	Patent of invention - second publication of A6	1 December 1998
B7	Patent of invention - second publication of A7	7 December 1999
B9	Corrected document	2 February 2017
T	Transfer to national patent from EP application	7 December 1979
T7	European Transfer	15 June 1993

Brazil (BR)		DWPI Start Date
A	OPI application	16 December 1975
A2	Application for a patent/pipeline patent published without search report	28 April 2009
A3	Pipeline patent application	1 April 1997
B1	Granted (pipeline) patent	12 January 2010
E2	Certificate of addition application without search report	5 January 2010
F1	Granted certificate of addition	9 October 2001
U2	Utility model application without search report	6 January 2009
Y1	Granted utility model	12 January 2010

\* In rare instances where an applicant requests more than one Certificate of Addition in respect of the same invention, these are described in DWPI using EA and EB.

Canada (CA)		DWPI Start Date
A	Examined granted patent before October 1989 or OPI application from October 1989	1963
A1	OPI (from number 2000001 onwards)	14 April 1990
B	Reissue (old law)	11 September 1973
C	Granted patent (old and new law)	10 October 1990
E	Reissue patents granted after October 89 (old and new law)	4 December 1990
F	Certificate for re-examined patent	8 July 2003

China (CN)		DWPI Start Date
A	Unexamined application	10 January 1985
A8	Republished front page of unexamined application	4 May 2016
A9	Republished complete unexamined application	4 May 2016
B	Granted patent (from 5 May 2010)	5 May 2010
B8	Republished front page of granted patent	4 May 2016
B9	Republished complete granted patent	4 May 2016
C	Granted patent (to 5 May 2010)	5 January 1994
C8	Republished front page of granted patent	5 January 1994
C9	Republished complete granted patent	5 January 1994
U	Utility model (from 7 April 2010)	7 April 2010
Y	Utility model (to 31 March 2010)	3 January 2007

Czechoslovakia (CS)		DWPI Start Date
A	Examined accepted specification	20 December 1967
A1	Patent application	15 July 1992
A2	Patent application published in the course of examination	15 January 1992
B	Granted patent (issued as CS patents until 16 December 1992)	15 July 1992

Czech Republic (CZ)		DWPI Start Date
A3	Unexamined patent application	13 January 1993
B6	Patent specification	13 January 1993

Denmark (DK)		DWPI Start Date
A	Granted patent (to 12 June 1978); OPI application (from 12 June 1978)	14 October 1974
B	Granted patent	23 November 1992

Eurasian Patent Organisation (EA)		DWPI Start Date
B1	Examined granted specification	31 March 1997
B2	Amended specification	29 December 2006
B3	Amended specification after limitation procedure	27 February 2015
B8	Corrected title page of B document	30 March 2012
B9	Complete reprint of B document	30 August 2011

European Patents (EP)		DWPI Start Date
A	OPI application	20 December 1978
A1	OPI application with search report	From update 199221
A2	OPI application without search report	From update 199221
A3	Publication of search report	27 December 1991
A4	Supplementary search report	11 January 1989
A8	Corrected title page of A document	14 March 2001
A9	Complete reprint of A document	14 March 2001
B	Examined granted specification	9 January 1980
B1	Examined granted specification	From update 199220
B2	Amended specification	From update 199220
B3*	After limitation procedure	23 July 2008
B8	Corrected title page of B document	14 March 2001
B9	Complete reprint of B document	14 March 2001

\*Subsequent B3 documents for the same serial number issued by the EPO are given the DWPI kind codes BA, BB, BC etc.

Finland (FI)		DWPI Start Date
A	Unexamined application	30 September 1974
B	Examined patent application (old law)	11 February 1985
B1	Granted patent (new law)	15 July 1997

France (FR)		DWPI Start Date
A	Granted patent (until 1969); OPI application (from 1969)	1963
A1	OPI application (first publication)	From update 199221
A2	Application for certificate of addition	28 February 1992
A3	Application for certificate of utility	3 April 1992
B1	Patent of invention (after A1)	1 January 2010
B2	Certificate of addition (after A2)	1 January 2010
B3	Certificate of utility (after A3)	1 January 2010
B4	Certificate of addition to utility (after A3)	1 January 2010
E	Certificate of addition (until 1969)	1963
M	Medicament (addition) (until 1979)	1963

Occasionally, a patent application will be converted to a utility model, or vice versa, after A publication, but before grant. In these circumstances, for a given serial number, an A1 will be followed by a B3 or an A3 by a B1.

Georgia (GE)		DWPI Start Date
B	Granted patent	2002
Y	Granted utility model	2002

Germany (DE)		DWPI Start Date
A	OPI application and examined accepted specification	1963
A1	OPI application and examined accepted specification	12 November 1970
A5	Title page for PCT application filed in German	3 May 2007
A8	Correction of patent application (bibliographic change)	9 June 2004
A9	Correction of patent application (claims, description or drawings)	22 July 2004
B	Examined accepted specification	1963
B3	Granted patent (without prior publication)	8 January 2004
B4	Granted patent	8 January 2004
B8	Correction of granted patent (bibliographic change)	9 June 2004
B9	Correction of granted patent (claims, description or drawings)	22 July 2004
C	Granted patent	15 October 1970
C1	Granted patent (without prior publication) ( <i>until December 2003</i> )	24 December 1992
C2	Granted patent ( <i>until December 2003</i> )	24 December 1992
C5	Modified patent	19 May 2005
C8	Correction of modified patent (bibliographic change)	26 January 2006
C9	Correction of modified patent (claims, description or drawing)	25 May 2005
E	Granted EP assigned DE number, EP published in English or French	28 June 1990
G	Granted EP assigned DE number, EP published in German	23 December 1977
T	PCT transfer to DE published in German	20 September 1981
T0	PCT transfer to DE published in non-German language	1 July 2004
T2	Translation of granted EP from English or French	19 May 2005
T5	Translation of PCT international announcement	19 May 2005
T8	Correction of EP application (bibliographic change)	9 June 2004

T9	Correction of EP application (claims, description, or drawings)	22 July 2004
U	Utility Model (Gebrauchsmuster)	3 February 2000
U1	Utility Model (Gebrauchsmuster)	12 April 1989
U8	Correction of utility model (bibliographic change)	7 October 2004
U9	Correction of utility model (claims, description or drawings)	14 October 2004

Germany – East (DD)		DWPI Start Date
A	Examined granted patent	1964
A3	Economic patent (searched and examined)	12 April 1985
A4	Economic patent (additional)	14 May 1992
A5	Exclusive patent	24 February 1990
A7	Exclusive patent (searched)	19 December 1991
A8	Exclusive patent of addition (searched and examined)	2 July 1992
A9	OPI application (after 1 May 1992)	22 April 1993
B	Re-examined after grant	20 November 1969
B1	Economic patent, searched and examined	23 January 1992
B3	Exclusive patent, searched and examined	16 January 1992
B5	Patent specification following A7 after objection	8 April 1993
C	Examined granted patent	24 January 1990
C2	Economic patent (Section 19) or corrected/amended (Section 23)	2 July 1992
C4	Granted examined exclusive patent	27 February 1992
C5	Patent specification, 3rd publication	3 February 1994
T9	Translation under Havana agreement	7 October 1993

Gulf Cooperation Council (GC)		DWPI Start Date
A	Granted patent	29 June 2004

Hong Kong (HK)		DWPI Start Date
A	Directly filed patent application	
A0	Registration of CN, EP or GB patent application	7 January 2011
A1	Granted standard patent	7 January 2011
A2	Short term patent	7 January 2011
B	Grant of directly filed patent	

Hungary (HU)		DWPI Start Date
A	OPI application (examination requested or deferred examination)	29 March 1982
A1	Unexamined patent application (deferred examination)	30 December 1996
A2	Examined patent application (new law)	28 October 1996
B	Patent with Search Report	30 December 1992
B1	Granted patent	28 January 2002

H	OPI application	28 May 1975
T	English abstract of Hungarian patent	28 February 1974

India (IN)		DWPI Start Date
A	Pre-grant application	Filings from 1 January 2016
B	Pre-opposition granted applications	1 January 2000
I1	Pre-grant application - Delhi (DEL)	21 January 2005
I2	Pre-grant application - Kolkata (KOL)	<i>formerly Calcutta (CAL)</i> 4 December 2004
I3	Pre-grant application - Mumbai (MUM)	<i>formerly Bombay (BOM)</i> 11 December 2004
I4	Pre-grant application - Chennai (CHE)	<i>formerly Madras (MAS)</i> 28 January 2005
P1	National phase PCT application - Delhi (DEL)	21 January 2005
P2	National phase PCT application - Kolkata (KOL)	<i>formerly Calcutta (CAL)</i> 4 December 2004
P3	National phase PCT application - Mumbai (MUM)	<i>formerly Bombay (BOM)</i> 11 December 2004
P4	National phase PCT application - Chennai (CHE)	<i>formerly Madras (MAS)</i> 11 December 2004

Indonesia (ID)		DWPI Start Date
A	Application (National or PCT)	7 January 2010
S	Simple patent	7 January 2010

International Technology Disclosures (TP)		DWPI Start Date
A	International Technology Disclosure (Jan 1984 - Dec 1993)	20 January 1984

Ireland (IE)		DWPI Start Date
A	Patent specification (1963-1969 only)	1963
B	Granted patent	25 January 1995
B1	Granted patent	25 December 2019
B3	Granted Short-term patent	25 January 1995
Y1	Granted Short-term patent	25 December 2019

Israel (IL)		DWPI Start Date
A1	Application of patent for invention	30 April 2014
A	Examined patent publication	13 March 1975

Italy (IT)		DWPI Start Date
B	Patent of invention - second publication	1 March 1967

Japan (JP)		DWPI Start Date
A	Unexamined OPI application	1963
B	Examined accepted specification	1963
B1	Examined accepted specification not published as unexamined	14 August 1996
B2	Examined application; Granted patent	23 December 1982
U	Utility model	10 January 2008
W	PCT transfer (origin abroad)	12 March 1981
X	PCT transfer (origin Japan)	5 March 1981
Y	PCT transfer to utility model (origin abroad)	30 April 1981
Z	PCT transfer to utility model (origin Japan)	11 March 1982

Kazakhstan (KZ)		DWPI Start Date
A	Preliminary innovation patent	15 January 2007
A4	Preliminary innovation patent	15 July 2008
B	Patent	15 August 2006

Kyrgyzstan (KG)		DWPI Start Date
C1	Preliminary patent	28 March 2003
C2	Registered standard patent	20 October 2004
U	Registered utility model	30 December 2005

Korea (KR)		DWPI Start Date
A	Application	8 January 1997
B	Examined patent specification	24 February 1986
B1	Examined patent specification	1 October 1991
B2	Examined patent application (first publication)	18 August 1993
U	Utility model	2 January 2008
Y1	Utility model (registered)	2 January 2008

Luxembourg (LU)		DWPI Start Date
A	Unexamined granted patent	11 September 1984

Malaysia (MY)		DWPI Start Date
A	Granted patent (including utility innovations)	31 January 2005



Mexico (MX)		DWPI Start Date
A	Granted (old law)	6 January 1997
A1	Application (18 months)	1 January 1997
A2	Anticipation (published earlier than 18 months)	1 January 1997
A4	Regional filing – JL (Jalisco)	1 March 2002
A5	Regional filing – NL (Nuevo Leon)	1 July 2002
A6	Regional filing – YU (Yucatan)	1 January 2003
A7	Regional filing – GT (Guanajuato)	1 February 2003
B	Granted patent (new law)	3 January 1997
B	Utility model	3 March 2015

Moldova (MD)		DWPI Start Date
A	Published non-examined patent application	
A0	Early published patent application	
A1	Patent application published with search report	
A2	Patent application published without search report	
A3	Search report published separately	
A8	Corrected first page of patent application	
A9	Republished full patent application document	
B1	Granted patent	
B2	Granted patent amended after opposition	
B8	Corrected first page of granted patent	
B9	Corrected granted patent document	
C1	Issued patent for invention	
C3	Issued patent for invention, amended after limitation or cancellation procedures	
C8	Corrected first page of issued patent for invention	
C9	Corrected issued patent for invention	
F1	Notice of grant of an unexamined patent under the applicant's responsibility, not preceded by A publication	
F2	Notice of grant of an unexamined patent under the applicant's responsibility, preceded by A publication	
G2	Patent for invention issued at the applicant's responsibility, without substantive examination, preceded by F1 or F2	
G8	Corrected first page of G2	
Y	Granted short term patent	
Z	Issued short term patent	

Netherlands (NL)		DWPI Start Date
A	OPI application	1963
A1	Registered specification laid open	3 August 1998
B	Examined accepted specification	1963
B1	Granted patent	February 2017
C	Granted patent	7 October 1997

C2	20-years new law granted patent	18 May 1995
C6	Six-year new law petty patent	18 May 1995

New Zealand (NZ)		DWPI Start Date
A	Examined patent	28 October 1992
A2	Examined Patents	January 2020

Norway (NO)		DWPI Start Date
A	OPI application	9 February 1974
B	Examined and searched accepted specification	4 January 1992
B1	Granted patent (new law)	17 March 1997

Patent Cooperation Treaty (WO)		DWPI Start Date
A	OPI application	19 October 1978
A1	OPI application with search report	From update 199220
A2	OPI application without search report	From update 199220
A3	OPI application search report for A2	14 June 1990
A4	Amendment to claims and/or statement of OPI application	5 February 2009
A8	Amendment to front page data of OPI application	4 October 2007
A9	Republished specification of OPI application	4 October 2007
B1	Second publication of claims of OPI application	4 October 2007

Philippines (PH)		DWPI Start Date
A	Patent application	13 January 1992
A1	Patent application with search report	8 October 2012
A2	Patent application without search report	24 July 2017
A3	Separately published search report	24 July 2017
B	Granted patent (new law)	11 August 1999
B1	Granted Patent	19 June 1993
B1	Granted patent	19 June 1993
U	Utility model application*	24 August 2014
U1	Utility model*	8 October 2012
Z	Utility model (granted, old law)	19 October 2009

There does not appear to be any difference between documents published as U or U1. For a complete search, both kind codes will need to be searched.

Poland (PL)		DWPI Start Date
A1	Patent application	3 January 2011
A3	Application for additional patent	3 January 2011
B1	Granted patent	3 January 2011
B3	Additional patent	3 January 2011
U1	Utility model application	3 January 2011
U3	Application for additional utility model	3 January 2011
Y1	Granted utility model	3 January 2011
Y3	Additional utility model	3 January 2011

Portugal (PT)		DWPI Start Date
A	Application for patent of invention	31 March 1974
A1	Application for certificate of addition to patent of invention	20 April 2002

Research Disclosure (RD)		DWPI Start Date
A	Research Disclosures	10 January 1978

Romania (RO)		DWPI Start Date
A	Examined granted patent (1974 Law)	7 July 1975
A0	OPI (before 18 months from application/priority; before 6 months from national phase)	30 November 2009
A1	Unexamined application publ. after 18 months with search report	30 November 2009
A2	Unexamined patent application publ. after 18 months without search report	30 November 2009
A3	Search report published subsequent to A2	30 September 2010
A4	Application published before 3 months of date info in application is declassified	30 November 2009
A8	Modified first page of patent application	30 June 2010
A9	Modified complete specification	N/A
B	Granted patent according to 1991 Law	30 June 1993
B1	Granted patent according to 1991 Law	25 September 1992
B2	Modified granted patent after revocation	N/A
B8	Modified first page of granted patent	30 July 2010
B9	Modified complete specification	30 June 2010

Russian Federation (RU)		DWPI Start Date
A	Application	10 January 2010
A8	Modified first page of patent application	10 August 2010
A9	Modified complete specification	N/A
C	Granted patent of invention	10 February 1993
C1	Granted patent of invention	5 April 1990
C2	Granted patent of invention (second publication)	10 July 2000
C8	Modified first page of granted patent	27 December 2006

C9	Reprinted granted patent of invention	10 August 2005
U1	Utility model	10 January 2010
U8	Modified first page of utility model	20 July 2009
U9	Modified complete specification of utility model	N/A

Singapore (SG)		DWPI Start Date
A	Registration via GB or EP designating GB	13 January 1995
A1	Patent application (National or PCT)	28 November 1995
B	Granted patent	1 January 2005

Slovakia (SK)		DWPI Start Date
A3	Patent application	7 July 1993
B6	Granted patent	8 December 1993

South Africa (ZA)		DWPI Start Date
A	Unexamined accepted specification	1963
AA	Second application with same number	2 January 1979
AZ	Second application with same number	26 June 1974

Soviet Union (SU)		DWPI Start Date
A	Examined granted patent	1964
A1	Inventor's Certificate	15 September 1988
A2	Addition to Inventor's Certificate	19 January 1989
A3	Patent	30 March 1991
A4	Patent of Addition	23 September 1991
B	Reissued patent	5 March 1966
C	Patents replacing inventor's certificate (from 1981 onwards)	30 April 1994

Spain (ES)		DWPI Start Date
A	Unexamined granted patent; OPI application from 1987	1 July 1993
A1	Patent application published with search report	1 July 1992
A2	Patent application published without search report	1 April 1993
A6	OPI application without search report	27 April 1992
A8	Modified first page patent application	31 January 2011
A9	Corrected complete patent application	21 March 2011
B	Patent published with search report	16 November 1981
B1	Patent published with search report	16 August 1993
B2	Patent published after examination	1 May 2002
B8	Modified first page granted patent	18 September 2009
B9	Correction of granted patent	1 October 2006

R1	Search report following publication of ES A2	13 May 2013
R2	Separately published international search report	1 January 2014
R8	Corrected first page of search report or of international search report	1 January 2014
R9	Complete corrected search report	1 January 2014
T1	Translation of claims and drawings of European patent application	1 April 1992
T2	Revised translation of claims and drawings of European patent application	N/A
T3	Translation of complete text of granted European patent	1 April 1992
T4	Revised translation of granted European patent	16 September 1995
T5	Translation of modified European patent	16 September 1995
T6	Translation of PCT application	N/A
T7	Translation of European patent after limitation procedure (EP B3)	1 November 1999
T8	Modified first page of translated European patent application	21 February 2011
T9	Correction of translated European patent application	20 January 2011
U	Utility model application	4 January 2010
U8	Modified first page utility model	22 October 2010
U9	Corrected complete utility model	24 February 2011
Y	Granted utility model	1 April 2010
Y1	Granted utility model (amended through opposition)	1 April 2010
Y2	Granted utility model (amended through voluntary limitation)	1 April 2010

Sweden (SE)		DWPI Start Date
A	OPI application	2 January 1974
A1	OPI application	26 February 2010
A2	Republished OPI application	N/A
B	Examined accepted specification	21 August 1980
C	Granted patent	18 September 1995
C1	First level patent specification	6 June 1995
C2	Granted patent (New Law)	16 October 1995

Switzerland (CH)		DWPI Start Date
A	Granted unexamined patent or examined application	1963
A1	Patent application with search report	15 June 2009
A2	Patent application without search report	15 January 2009
A3	OPI application searched and preliminarily examined (from 1978)	15 January 1993
A5	Granted without examination	30 May 1975
A8	Correction to bibliographic data of A level publication	14 October 2005
A9	Correction to patent specification of A level publication	14 October 2005
B	Examined accepted specification (under 559,000)	31 October 1969
B1	Assigned patent	31 July 2005
B5	Examined accepted specification (from 559,000)	15 January 1993
B8	Rectified first page of B document	13 April 2007
B9	Rectified B document	15 June 2009

C1	Partial withdrawal of Swiss patent	30 September 2009
C2	Partial annulment of Swiss patent	N/A
C3	Second partial withdrawal of Swiss patent	N/A
C9	Rectified C document	N/A
H1	Partial withdrawal of EP patent granted for Switzerland	N/A
H2	Partial annulment of EP patent granted for Switzerland	N/A
H3	Second partial withdrawal of EP patent granted for Switzerland	N/A
H9	Rectified H document	N/A

Taiwan (TW)		DWPI Start Date
A	Examined patent application (Old Law) (1993 to August 2004)	1 January 1993
A	Unexamined patent application (New Law)	1 August 2004
B1	Examined patent application (New Law)	1 August 2004
U	Utility Model (from August 2004)	1 August 2004
U1	Utility Model (to July 2004)	1 January 1998

Tajikistan (TJ)		DWPI Start Date
C	Granted patent	16 July 1996
C1	Granted petty patent	16 July 2007
C2	Granted patent, limited after opposition	17 June 2008

Thailand (TH)		DWPI Start Date
A	Examined patent application	5 January 2010
R0	Registration number	

Turkey (TR)		DWPI Start Date
A	Patent application	1 January 2015
U	Utility Model	1 January 2015
T3	Turkish serial number assigned to Turkish translation of claims of European Patent Application	1 January 2015
T4	Turkish serial number assigned to Turkish translation of granted European Patent designating Turkey	1 January 2015

United Kingdom (GB)		DWPI Start Date
A	Examined granted patent (numbers less than 2000000)	1963
A	OPI application (numbers greater than 2000000)	4 January 1979
A8	Corrected Front Page of a GB Published 'A' Application	24 April 2002
A9	Complete Re-issue of a GB Published 'A' Application	23 November 2011
B	Examined granted patent	2 November 1979
B8	Corrected Front Page of a GB Granted 'B' Specification	5 March 2003

C	Complete Re-issue of a GB Granted 'B' Specification	29 April 1998
C2	Complete Re-issue of a re-issued GB Granted 'C' Specification	28 March 2012
C3	Complete Re-issue of a re-issued GB Granted 'C2' Specification	12 September 2012

United States of America (US)		DWPI Start Date
A	Examined granted patent (before 2001)	1963
A1	Utility Patent Application (from 2001)	15 March 2001
A2	Second/subsequent publication of Utility Application (from 2001)	11 April 2002
A9	Corrected published Utility Patent Application (from 2001)	17 October 2002
B	Re-examination Certificate (before 2001)	18 February 1966
B1	First re-examination Cert. (before 2001) Utility Patent Grant no pre-grant publication (from 2001)	3 November 1992
B2	Second re-examination certificate (before 2001) Utility Patent Grant with pre-grant publication (from 2001)	27 June 1989
B3	Re-examination Certificate, 3rd re-examination (before 2001)	2 November 1993
C1	Re-examination (from 2001)	2 January 2001
C2	Re-examination (from 2001)	27 March 2001
C3	Re-examination (from 2001)	13 January 2004
C4	Re-examination (from 2001)	22 February 2011
C5	Re-examination (from 2001)	15 September 2015
C6	Re-examination (from 2001)	12 January 2016
E	Reissue Patent	8 November 1966
H	Statutory Invention Registration (replaces Defensive Publication)	5 November 1968
N	NTIS published invention application (1983-1996)	12 March 1971

Uzbekistan (UZ)		DWPI Start Date
C	Registered Invention	28 February 2003
F	Inventor's certificate	28 February 2003
U	Registered utility model	28 February 2006

Vietnam (VN)		DWPI Start Date
A	Application	25 January 2010
B	Granted patent	25 January 2010