

## DEFINITION FILE FOR FI AUTHORITY FILE

***This definition file relates to the following authority file:***

**FI\_AF\_20250908.xml**

Date of production

2025-09-08

Data coverage

Public FI documents from 1833-03-06 to 2025-06-30.

The FI authority file lists all FI patents, utility models and EP/FI patent publications.

Coverage according to document type and kind-of-document code is presented in the attached tables [1-3].

Used options: File generated according to WIPO Standard – ST.37 Version 2.2 with the following options:

- The Zip compressed Authority File is Unicode UTF-8 encoded and validated with the ST.37 ANNEX III schema.
- The used publication numbers, kind codes, and application numbers have been described in detail in the Kind Code Analysis section. Some kind codes and application numbers have been modified to align with the representation used in the EPO DocDB / Moses and WIPO Patentscope databases. Additionally, application numbers for applications filed before 1975 have been adjusted to ensure uniqueness and compliance with the recommendations in section 17 of the St.37 standard.
- Publication Exception Codes are listed in Appendix [4] and the Exception Codes section. The Exception Codes section also contains information on Publication code gaps. However, the N exception code is not used in the Authority file.
- The SearchableLanguageCode and NotSearchableCode are applied to all publications published from 1920 onwards, except for T-kind code publications (i.e., EPO applications and grants). In addition, the availability of the abstract, description, and/or claims in a text-searchable format is indicated only for those parts of the document that actually exist.
- The Authority File does not contain priority data.

## Kind Code Analysis

This section provides a detailed analysis of the kind codes used in patent and utility model publications, including publication number ranges, series status, and specific practices applied in the Authority File.

### *FI patent Kind Codes*

**A** Kind Code, Publication numbers 1 – 37 834, latest publication 1978-01-10, closed series

- Granted patent publications from 1842–1967. For documents published before 1940, application numbers are often incomplete or missing. In the Authority File, the application numbers align with the EPO Moses/DocDB format by deriving the application number from the publication number and adding a “D” suffix.
- In 1918, two different patent publications were granted under the same number, 7103. In the Authority File, these are distinguished with suffixes "a" and "b" (7103a and 7103b).

**A1** Kind Code, Publication numbers 20100190 – 20257070, latest publication 2025-06-30, ongoing series

- Patent application publications.

**A5** Kind Code, Publication numbers 18330001 – 18470001, latest publication 1847-05-12, closed series

- Originally unnumbered patent and certificate publications consisting of handwritten material.

**A7** Kind Code, Publication numbers 1/68 – 20187016, latest publication 2018-10-04, closed series

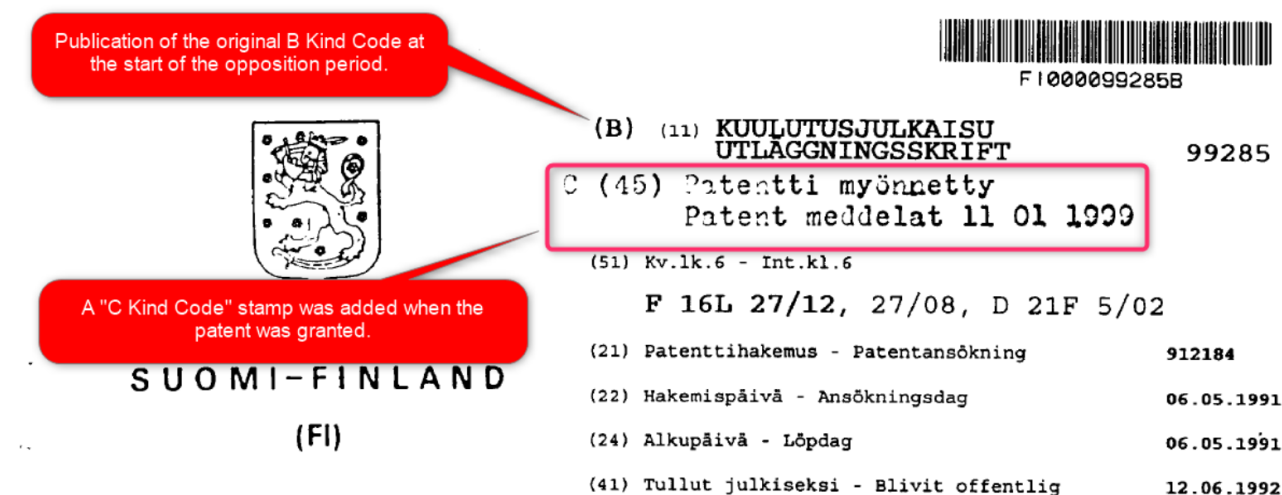
- Subsequently printed patent application publications, initially available only upon request.
- The publication number on the A7 cover page is based on the application number, with the following formats:
  - Before 1975: nnnnn/yy, where nnnnn is the sequential number (1–5 digits) and yy denotes the last two digits of the year (e.g., 69/71 for an application 69 from 1971).
  - From 1975: yynnnn, where yy denotes the last two digits of the year and nnnn is a zero-padded sequential number (e.g., 760403 stands for application 403 of 1976, and 1991645 stands for application 1645 from 1999).
  - From 1999: ccynnnn, where ccyy is the whole year and nnnn is a zero-padded sequential number. The first in this series was issued on 26 July 1999 with application number 19991646.
- In the Authority File, all publication and application numbers are recorded without slashes (cf. St.37, sec. 17 and 29). Some A7 publications from 1938–1949 have been renumbered to maintain the uniqueness of non-slashed numbers (see publication exception code X).

**A8 and A9** Kind Codes, Publication numbers 20205980 – 20237105, latest publication 2025-06-10, ongoing series

- Corrected patent application publications for the A1 publications.
- A8 publication contains only an abstract, A9 abstract, description, and claims

**B and C Kind Codes**, Publication numbers 40001 – 99285, latest publication 2007-09-19, closed series

- Publications under the 1967 Patent Act, where the opposition period was before the grant. The B publications were issued at the beginning of the opposition period. C publications were generated by adding a stamp to the original B publication indicating the grant (see image).
- B and C publications are identical in content. However, indexing errors during scanning have led to potential misclassification between some B and C-kind code publications.
- Application numbers for pre-1975 applications follow the same practices as A7 publications.



**B Kind Code**, Publication numbers 100001 – 130637, latest publication 2023-12-22, closed series

- Publications under the 1997 Patent Act, with the opposition period starting after the grant.

**B1 Kind Code**, Publication numbers 103031 – 130516, latest publication 2023-10-23, closed series

- Correction publications for B patents under the 1997 Patent Act.

**B1 Kind Code**, Publication numbers 130638 – 131562, latest publication 2025-06-30, ongoing series

- Introduced in 2024 as part of the kind code update.

**B2 and B3 Kind Codes**, Publication numbers 96887 – 130067, latest publication 2025-05-27, ongoing series

- Publications for amended patents.

**B8 and B9 Kind Codes**, Publication numbers 128069 – 131521, latest publication 2025-06-09, ongoing series

- Correction publications for patents.
- B8 publication contains only an abstract, B9 abstract, description, and claims

**C1 Kind Code**, Publication numbers 91133, latest publication 1994-05-25, closed series

- Correction publications for C patents under the 1967 Patent Act.

**L** Kind Code, Publication numbers 803119 – 20187016, latest publication 2018-10-04, closed series

- Abstract-only publications.
- Cover page kind codes vary depending on publication date, including no kind code, "A" kind code, and "L" kind code. The "L" kind code has been used throughout the Authority File for consistency.

### *FI Utility model kind codes*

**U1** Kind Code, Publication numbers U20040171 – U20254028, latest publication 2025-06-06, ongoing serie

- Utility model application publications.

**U1** Kind Code, Publication numbers 1 – 12733, latest publication 2020-07-31, closed series

- Utility model registration publications before August 2020. Cover pages do not display kind codes, but U1 is commonly used in WIPO Patentscope and EPO Moses/DocDB databases.

**Y1, Y8, and Z1** Kind Codes, Publication numbers 11369 – 13762, latest publication 2025-06-30, ongoing series

- Utility model registrations, corrections, and amendments.

### *FI / EP patent kind codes*

**T1 – T9** Kind Codes, Publication numbers EP0729863 – EP4520086, latest publication 2025-06-30, ongoing series

- Finnish and Swedish Translations of European Patent Office publications. No searchable text is included.

## Publication Exception Codes

This section describes the exception codes (D, M, P, R, U, W, X) used in the Authority File:

**C** - Defective documents due to scanning error (4 documents identified, with potential for rescanning).

**D** - The deleted documents code covers 1230 A7 publications (publication numbers 20021829–20180025) and 2828 B publications (publication numbers 50192–99285). The A7 publications were initially available only upon request and were replaced by A1, B, or B publications. Stamped C publications replace the deleted B publications (See the Kind Code Analysis section above, under "B and C Kind Codes, Publication numbers 40001 – 99285").

**M** - The Missing documents code applies to 347 publications with the following kind codes: A, A7, B, L, T3, or U1. In these cases, the exception is due to a clerical error in the registry or missing material in the documentation.

**P** - The paper-only exception Code covers 3978 translation publications issued by the European Patent Office (EPO), specifically T1, T2, and T3 translations from 1997 to 2009.

**R** - The Reissued Code includes 9910 patent publications (publication numbers 40001–97979). An identical publication exists for each publication, indexed in the B-series (See the Kind Code Analysis section above, under "B and C Kind Codes, Publication numbers 40001 – 99285").

**U** - The Unknown exception Code applies to 111 publications that are either lost or contain clerical errors in the official records. The status of these documents is under investigation, including searches in physical archives and a separate CD/DVD collection.

**W** - The exception Code covers 96 withdrawn publications, most of which are patent or utility model registration publications with uncertain grant status.

**X** - Exception Code includes 43 A7 publications from 1938–1949. The publication and application numbers have been modified to ensure uniqueness in the Authority File.

Notably, no "N" code is used for unused publication numbers. The 37836 – 40000 and 99285 – 100000 publication number ranges of granted patent publications are not allocated (B/C Kind Codes). These gaps result from legislative changes. Additionally, application number series vary based on submission methods, leaving gaps in yearly application number sequences. The various application number series are identified by the following starting numbers: yy0001, yy5001, ccyy0001, ccyy5001, ccyy7001, Uccyy0001, and Uccyy4001, where yy/ccyy denotes the year of filing, and the U prefix indicates a utility model application.

## APPENDIX

Table [1] Data coverage of Finnish National Patents

Publication numbers Min-Max	Application numbers Min-Max	Kind Code	Total*	Type and comments
1 - 37835	1D - 37835D	A	37834	Granted patents filed in 1842 – 1967 (Patent Acts No. 308/ 1925, 147/ 1929, 387/ 1943).
20100190 - 20257070	20100190 - 20257070	A1	5404	Application publication, published from September 2018.
18330001 - 18470001	18330001 - 18470001	A5	22	Granted unnumbered patents between 1833 and 1847.
168 - 20187016	168 - 20187016	A7	69955	Patent applications 1920 - 2018 (First application 118 from year 1920, Last application 7016 from year 2018). The application number 168 stands for 1/68 i.e. application 1 from 1968.
20216220- 20226066	20216220- 20226066	A8	2	Corrected patent application and corrected title page of A1 document [Adopted 2024-01]
20205980 - 20237105	20205980 - 20237105	A9	5	Corrected patent application, complete reprint of A1 document [Adopted 2024-01]
40001 - 99282	162 - 963684	B	56343	The document laid open for public inspection in accordance with the Patent Act of 1967, No. 550/ 1967. The application number 162 stands for 1/62 i.e. application 1 from 1962.
100001 - 130637	128159 - 20235747	B	30593	Granted patents in accordance with the Patent Act of 1997, No. 243/ 1997 (before 2024-01-01).
103031 - 130516	922824 - 20225577	B1	74	Corrected patent specification (before 2024-01-01).
130638 - 131562	20000059 - 20247081	B1	913	Granted patents in accordance with the Patent Act of 1997, No. 243/ 1997 [Adopted 2024-01]
100176 - 130067	893818 - 20206385	B2	102	Patent specification amended after opposition.
102508 - 125538	920749 - 20145746	B3	9	Patent specification amended after administrative reexamination.
130806 - 131242	20205750 - 20236434	B8	5	Corrected patent specification, corrected title page of B document (i.e. B1/B2/B3) [Adopted 2024-01].
128069 - 131521	20185380- 20237194	B9	9	Corrected patent specification, complete reprint of B document (i.e. B1/B2/B3) [Adopted 2024-01].
40001 - 99285	162 - 963733	C	58137	Granted patents in accordance with the Patent Act of 1967, No. 550/ 1967. The application number 162 stands for 1/62 i.e. application 1 from 1962.
91133 - 91133	932487 - 932487	C1	1	Corrected patent specification.
803119 - 20187016	803119 - 20187016	L	98942	Patent application – Abstract.

Note \*: The total number of documents does not include data entries with Publication Exception Codes D, M, U or W.

Detailed (annual) data is available upon request from [neuvonta.patentti@prh.fi](mailto:neuvonta.patentti@prh.fi) or [jouko.berndtson@prh.fi](mailto:jouko.berndtson@prh.fi).

Table [2] data coverage of the National Finnish Utility Models.

Publication numbers Min-Max	Application numbers Min-Max	Kind Code	Total*	Type and comments
U20040171 - U20254028	U20040171 - U20254028	U1	113	Utility model application made available to the public.
1 - 12733	U920001 - U20204098	U1	12715	Granted utility model (before 2020-08).
12734 - 13762	U20180094 - U20254036	Y1	1027	Granted utility model [Adopted 2020-08].
13721- 13666	U20184212 - U20244063	Y8	4	Corrected utility model specification, corrected title page of Y1 document [Adopted 2024-01].
9393 - 12828	U20110064 - U20204108	Z1	9	Amended utility model specification.

Note\*: The total number of documents does not include data entries with Publication Exception Codes D, M, U or W.

Table [3] data coverage of Finnish translations of the European patent documents.

Publication numbers Min-Max	Application numbers Min-Max	Kind Code	Total*	Type and comments
EP0950044 - EP4520086	105910 - 99973821	T1	364	Translation of claims of a European patent application.
EP0941304 - EP2366395	4758696 - 99122346	T2	5	Corrected translation of claims of a European patent application.
EP0729863 - EP4475678	100009 - 99974248	T3	132890	Translation of a European patent specification.
EP0732443 - EP957173	105583 - 99972494	T4	2263	Translation of an amended European patent specification.
EP0761871 - EP4284754	105929 - 99972074	T5	349	Corrected translation of a European patent specification.
EP0751129 - EP925294	111538 - 99966495	T6	160	Translation of a European patent limited by the proprietor.
EP1143977 - EP2493834	900082 - 10774014	T7	4	Translation of a limited European patent.
EP3223838 - EP3223838	15863825 - 15863825	T8	1	Corrected translation of a European patent specification, containing only the cover page [Adopted 2024-01].
EP1929826 - EP4217939	6808906 - 22161755	T9	8	Corrected European patent specification, complete reprint of EP patent document [Adopted 2024-01].

Note\*: The total number of documents does not include data entries with Publication Exception Codes D, M, U or W.

Table [4] the Publication Exception Codes.

Publication Exception Code	Definition
<b>C</b>	Defective documents due to scanning errors
<b>D</b>	Documents are replaced by either an A1, a B document, or a C document
<b>M</b>	Missing published documents
<b>P</b>	Paper Documents not yet digitalised
<b>R</b>	Renumbered publication/application numbers
<b>U</b>	Unknown publication numbers, missing status uncertain
<b>W</b>	Applications (or patents) which were withdrawn before the publication
<b>X</b>	The application numbers have been renumbered solely for the presentation of the Authority File

Detailed (annual) data is available upon request from [neuvonta.patentti@prh.fi](mailto:neuvonta.patentti@prh.fi) or [iouko.berndtson@prh.fi](mailto:iouko.berndtson@prh.fi).