**U.S. Patent Grant Master Classification File (MCF)**

# May 2018

The U.S. Patent Grant Master Classification File contains classification information on all patent grants issued by the U.S. Patent and Trademark Office. The U.S Patent Grant Master Classification File (MCF) is available bimonthly (i.e., once every two months, usually by the second week in odd months). It is available for download for no charge from the USPTO Bulk Data Storage System (BDSS): <https://bulkdata.uspto.gov/data/patent/classification> or the Reed Tech Public Dissemination of Data (PDD) system: <http://patents.reedtech.com/classdata.php>

For more information about available USPTO patent and trademark bulk data products available for download for no charge: <https://bulkdata.uspto.gov/data/2020BulkDataProductDescriptions.xlsx>

There are two machine-readable products available:

**MCFPAT** **–** This file is sorted first by patent number ascending and second by original “O” U.S. patent classification ascending.

**MCFCLS** **–** This file is sorted first by U.S. patent classification ascending and second by patent number ascending.

File Characteristics:

File Name(s) **MCFPAT** **–** mcfpat.zip (patent sequence ascending)

**MCFCLS** **–** mcfcls.zip (classification sequence ascending)

Recording Mode ASCII

Record Length 18 Characters

**U.S. Patent Master Classification File (MCF) – continued**

**MCFPAT** **–** This file is in sequence first by U.S. patent number ascending and second by original “O” U.S. patent classification ascending.

NOTE: Utility patents (all numeric value) appear first on the MCFPAT file, patent numbers beginning with alphabetic characters follow.

Record Description:

## **U.S. Patent Number – A 7-position alphanumeric field.**

**Utility Patent** – 7 numeric positions right justified with leading zeros.

**Design Patent** – “D” followed by 6 numeric positions right justified with leading zeros.

**Statutory Invention Registration (SIR)**

SIR Utility – “H” followed by 6 numeric positions right justified with leading zeros.

SIR Design – “HD” followed by 5 numeric positions right justified with leading zeros.

SIR Plant – “HP” followed by 5 numeric positions right justified with leading zeros.

**Plant Patent** – “PP” followed by 5 numeric positions right justified with leading zeros.

**Reissue Patent**

Reissue Utility – “RE” followed by 5 numeric positions right justified with leading zeros.

Reissue Design – “RD” followed by 5 numeric positions right justified with leading zeros.

Defensive Publications – “T” followed by 6 numeric positions right justified with leading zeros.

“X” Patent – “X” followed by 6 numeric positions right justified with leading zeros.

“X” Reissue Patent – “RX” followed by 5 numeric positions right justified with leading zeros.

Additional Improvements – “AI” followed by 5 numeric positions right justified with leading zeros.

**U.S. Patent Classification – A 9-position alphanumeric field.**

Classification **–** A 3-position alphanumeric field right justified with leading zeros.

Subclassification **–** A 6-position alphanumeric field right justified with leading zeros.

## **U.S. Patent Classification Type Code – A 1-position alphabetic field.**

“O” for Original Classification

“X” for Cross Reference Classification

## **Linefeed – A 1-position alphanumeric field that contains: Hexidecimal “OA”**

**U.S. Patent Master Classification File (MCF) – continued**

### **Example 1**

### (U.S. Patent Master Classification File in Patent Number Sequence Ascending)

0000001295004000O

0000001016100000X

6141795717011000O

6141795717010000X

AI00002042039500O

AI00003074420000O

AI00317278077000O

AI00318431264000O

D000001D18099000O

D000002D05039000O

D433208D34038000O

D433209D99005000O

H000001439396000O

H000001439408000X

H001904606205000X

H001905607122000O

PP00001PLT114000O

PP00002PLT139000O

PP11613PLT226000O

PP11614PLT321000O

RD00301D99006000O

RD01658D28033000O

RD25316D09531000O

RD25414D06495000O

RE00001222620000O

RE00002408043000O

RE36939424094630X

RE36939601002000X

RX00001001001000O

RX00002001001000O

RX00124001001000O

RX00125001001000O

T100001294064100O

T100001414627000X

T999003430223000O

T999003534753000X

X000001423208000O

X000004083651000O

X00990012615200RO

X011280408230000X

**U.S. Patent Master Classification File (MCF) – continued**

**MCFCLS** **–** This file is in sequence first by U.S. patent classification ascending and second by patent number ascending.

Record Description:

**U.S. Patent Classification – A 9-position alphanumeric field.**

Classification **–** A 3-position alphanumeric field right justified with leading zeros.

Subclassification **–** A 6-position alphanumeric field right justified with leading zeros.

## **U.S. Patent Number – A 7-position alphanumeric field.**

**Utility Patent** – 7 numeric positions right justified with leading zeros.

**Design Patent** – “D” followed by 6 numeric positions right justified with leading zeros.

**Statutory Invention Registration (SIR)**

SIR Utility – “H” followed by 6 numeric positions right justified with leading zeros.

SIR Design – “HD” followed by 5 numeric positions right justified with leading zeros.

SIR Plant – “HP” followed by 5 numeric positions right justified with leading zeros.

**Plant Patent** – “PP” followed by 5 numeric positions right justified with leading zeros.

**Reissue Patent**

Reissue Utility – “RE” followed by 5 numeric positions right justified with leading zeros.

Reissue Design – “RD” followed by 5 numeric positions right justified with leading zeros.

Defensive Publications – “T” followed by 6 numeric positions right justified with leading zeros.

“X” Patent – “X” followed by 6 numeric positions right justified with leading zeros.

“X” Reissue Patent – “RX” followed by 5 numeric positions right justified with leading zeros.

Additional Improvements – “AI” followed by 5 numeric positions right justified with leading zeros.

## **U.S. Patent Classification Type Code – A 1-position alphabetic field.**

“O” for Original Classification

“X” for Cross Reference Classification

## **Linefeed – A 1-position alphanumeric field that contains: Hexidecimal “OA”**

**U.S. Patent Master Classification File (MCF) – continued**

**Example 2**

(U.S. Patent Master Classification File in Classification Sequence Ascending)

0010010000047375O

0010010000165515O

0010010000481391O

0010010000666651O

0010010000894186O

0010010001696057O

0010010002153560O

0010010002321805O

0010010002499002O

0010010002503014O

0010010002594027O

0010010002705813O

0010010002748089O

0010010003996157O

0010010004343718O

0010010004491534O

0010010004687594O

0010010004914338O

0010010005110503O

0010010005296166O

0010010005418974O

0010010005623684O

0010010005625921O

0010010005637947O

0010010005637948O

0010010005646469O

0010010005646876O

0010010005648696O

0010010005651858O

0010010005656881O

0010010005668729O

0010010005679286O

0010010005684353O

0010010005684808O

0010010005686776O

0010010005700949O

0010010005702545O

0010010005720831O

0010010005729700O

0010010005740321O