

Title (en)

Summation current transformer

Title (de)

Summenstromwandler zur allstromsensitiven Erfassung eines elektrischen Differenzstromes

Title (fr)

Transformateur de courant sommateur

Publication

EP 1696444 B1 20111005 (DE)

Application

EP 06101331 A 20060206

Priority

DE 102005007334 A 20050217

Abstract (en)

[origin: EP1696444A2] The transformer has a passage opening which continues in a direction of a center axis and is designed for receiving a primary conductor that is monitored with respect to a residual current. Magnetic cores (2, 3) surrounding the passage opening are wound with primary and secondary windings (6, 7), respectively. Magnetic shields (10, 11) are arranged between a compartmentalization (20) and the magnetic cores.

IPC 8 full level

H01F 38/38 (2006.01)

CPC (source: EP US)

H01F 27/366 (2020.08 - EP US); **H01F 38/30** (2013.01 - EP); **H01F 38/38** (2013.01 - EP); **H01H 83/144** (2013.01 - EP); **H01F 27/288** (2013.01 - EP); **H01F 27/36** (2013.01 - EP); **H01F 38/20** (2013.01 - EP)

Cited by

EP3983812B1; US2024088640A1; EP2940702A1; EP4160226A1; JP2023529751A; US11796607B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1696444 A2 20060830; **EP 1696444 A3 20090701**; **EP 1696444 B1 20111005**; AT E527672 T1 20111015; DE 102005007334 A1 20060907; DE 102005007334 B4 20070208

DOCDB simple family (application)

EP 06101331 A 20060206; AT 06101331 T 20060206; DE 102005007334 A 20050217