

Title (en)
Multirange current instrument transformer

Title (de)
Mehrbereichsstrommesswandler

Title (fr)
Transformateur de courant à plusieurs intervalles de mesure

Publication
EP 2239744 A1 20101013 (EN)

Application
EP 09460015 A 20090406

Priority
EP 09460015 A 20090406

Abstract (en)
The invention deals with a multirange current instrument transformer applicable especially in high voltage combined instrument transformers comprising a current instrument transformer (1) and a voltage instrument transformer (2) placed in one enclosure. The instrument transformer according to the invention comprises a current path (11) situated in a metal enclosure (3) and formed by at least two current circuits electrically interconnected and connected with an external current supply terminal (P1) and an external current outgoing terminal (P2). The external current supply terminal (P1) is a metal plate to which the terminals of the current path (11) are connected and it is placed in a bushing (14) tightly fixed in the metal enclosure (3) wall. The instrument transformer is characterized in that in the bushing (14) there are at least two metal elements in the form of external terminals (K1, K2...Kn) used to electrically connect one end of the current path (11) with the external current supply terminal (P1) through an external cramp (17). The other end of the current path (11) is permanently connected with an internal terminal (12) fixed to the metal enclosure (3) wall inside the instrument transformer. The internal terminal (12) is a contact connection with the external current outgoing terminal (P2) which is an integral part of the instrument transformer enclosure (3).

IPC 8 full level
H01F 27/04 (2006.01)

CPC (source: EP)
H01F 27/04 (2013.01); **H01F 38/28** (2013.01); **H01F 38/34** (2013.01)

Citation (search report)
• [Y] GB 183480 A 19230524 - LANDIS & GYR AG
• [Y] US 4052685 A 19771004 - KOLATOR TADEUSZ W
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EP3208816A1; EP2565884A3; EP2573781A1; WO2022033687A1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 09460015 A 20090406; CN 201080015235 A 20100322; EP 10713564 A 20100322; EP 2010001894 W 20100322; ES 10713564 T 20100322; PL 10713564 T 20100322