

Title (en)

COMBINED TRANSFORMER FOR POWER SYSTEM

Title (de)

KOMBINATIONSTRANSFORMATOR FÜR EIN STROMSYSTEM

Title (fr)

TRANSFORMATEUR COMBINÉ POUR SYSTÈME D'ALIMENTATION

Publication

**EP 2807664 B1 20160511 (EN)**

Application

**EP 12813352 A 20121221**

Priority

- CN 201110459041 A 20111231
- CN 201120571440 U 20111231
- EP 2012076566 W 20121221

Abstract (en)

[origin: WO2013098226A1] Provided is a combined transformer for a power system, comprising a shell (10), a base (20) and an insulator (30). A current transformer (12) is arranged in the shell, which current transformer can detect the current in a primary conductor (40) in the power system. A voltage transformer (32) is arranged in the insulator, comprising a resistive division circuit (34), a capacitive division circuit (36), a secondary division resistor (37) and an output branch circuit (38), wherein one end of the resistive division circuit is electrically connected to the primary conductor, and the other end thereof is electrically connected to the secondary division potential point of the capacitive division circuit; the capacitive division circuit is realized by a plurality of layers of capacitive screens. The combined transformer of the present invention does not need error calibration after being installed on site and can plug and play.

IPC 8 full level

**H01F 38/34** (2006.01)

CPC (source: EP)

**H01F 38/34** (2013.01)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**WO 2013098226 A1 20130704**; EP 2807664 A1 20141203; EP 2807664 B1 20160511; ES 2586827 T3 20161019; HR P20160996 T1 20161021

DOCDB simple family (application)

**EP 2012076566 W 20121221**; EP 12813352 A 20121221; ES 12813352 T 20121221; HR P20160996 T 20160809