

Title (en)

Pressure relief device for a power transformer, and related power transformer

Title (de)

Druckentlastungsvorrichtung für einen Stromtransformator und zugehöriger Stromtransformator

Title (fr)

Dispositif de libération de pression pour transformateur de puissance et transformateur de puissance associé

Publication

EP 2669909 A1 20131204 (EN)

Application

EP 12170509 A 20120601

Priority

EP 12170509 A 20120601

Abstract (en)

A pressure relief device suitable to be connected to a power transformer comprising a tank filled with an insulating fluid, the pressure relief device comprising a shaped body having: - a connection flange provided with a through opening and suitable to be connected to the tank; - an end cap which is spaced apart from the connection flange; - a valve element which is displaceable between a first position where it is suitable to at least partially close the through opening of the connection flange and a second position where it is spaced away from the through opening; - at least one elastic element which is operatively connected to the valve element so as to urge it towards the first position; and - a pressure transducer which is positioned inside the shaped body and is adapted to continuously sense the pressure inside the tank.

IPC 8 full level

H01F 27/40 (2006.01)

CPC (source: EP)

H01F 27/402 (2013.01)

Citation (search report)

- [IA] US 2010058880 A1 20100311 - MOODY MARTIN JOHN [GB]
- [A] US 2006260694 A1 20061123 - BRILL RAINER [DE], et al
- [A] US 5313974 A 19940524 - SAWYER ELMER E [US], et al

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2669909 A1 20131204

DOCDB simple family (application)

EP 12170509 A 20120601