

Title (en)

A PROTECTION RELAY FOR HERMETICALLY SEALED DISTRIBUTION TRANSFORMERS

Title (de)

SCHUTZRELAIS FÜR HERMETISCH ABGEDICHTETE VERTEILUNGSTRANSFORMATOREN

Title (fr)

RELAIS DE PROTECTION POUR TRANSFORMATEURS DE DISTRIBUTION FERMÉS HERMÉTIQUEMENT

Publication

**EP 3544040 B1 20210303 (EN)**

Application

**EP 18162762 A 20180320**

Priority

EP 18162762 A 20180320

Abstract (en)

[origin: EP3544040A1] A protection relay (1) for a distribution transformer (100) comprising a tank (101) adapted to contain a cooling liquid (500) characterized in that it comprises:- a main body (2) adapted to be mechanically coupled in a removable manner with said tank, said main body including a case section (29) defining a first inner volume (295) and a duct section (27) adapted to link said case section with said tank, said case section including an inner chamber (20) in said first inner volume, said inner chamber being, in operation, in fluid-dynamic communication with said tank through said duct section and filled with said cooling liquid;- an outer container (3) mechanically coupled in a removable manner with said case section (29), said outer container being in fluid-dynamic communication with said inner chamber and adapted to be partially filled with said cooling liquid (500);- a floating element (4) accommodated within said outer container and adapted to be at least partially immersed in and moved by the cooling liquid (500) contained in said outer container;- switching means (5) adapted to be actuated by said floating element when the cooling liquid contained in said outer container reaches one or more threshold levels.

IPC 8 full level

**H01H 33/55** (2006.01); **H01H 35/18** (2006.01); **H02H 5/08** (2006.01)

CPC (source: EP)

**H01F 27/402** (2013.01); **H01H 33/555** (2013.01); **H01H 35/18** (2013.01); **H01F 2027/404** (2013.01)

Cited by

CN114740345A; EP4383288A1; FR3142828A1

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)

**EP 3544040 A1 20190925**; **EP 3544040 B1 20210303**; ES 2863363 T3 20211011

DOCDB simple family (application)

**EP 18162762 A 20180320**; ES 18162762 T 20180320