

Title (en)  
PASSIVE FAULT PROTECTION ARRANGEMENT FOR A MEASURING VOLTAGE TRANSFORMER OR A POWER VOLTAGE TRANSFORMER FOR USE IN HIGH VOLTAGE APPLICATIONS

Title (de)  
PASSIVE FEHLERSCHUTZANORDNUNG FÜR EINEN MESSSPANNUNGSWANDLER ODER EINEN LEISTUNGSSPANNUNGSWANDLER ZUR VERWENDUNG IN HOCHSPANNUNGSANWENDUNGEN

Title (fr)  
DISPOSITIF PASSIF DE PROTECTION CONTRE LES DÉFAUTS POUR UN TRANSFORMATEUR DE TENSION DE MESURE OU UN TRANSFORMATEUR DE TENSION DE PUISSANCE POUR UTILISATION DANS DES APPLICATIONS HAUTE TENSION

Publication  
**EP 4339988 A1 20240320 (EN)**

Application  
**EP 22196359 A 20220919**

Priority  
EP 22196359 A 20220919

Abstract (en)  
The invention relates to a passive fault protection arrangement for a measuring voltage transformer (1) or a power voltage transformer (1) for use in high voltage applications, comprising the voltage transformer (1) comprising a composite insulator (2) with a first high voltage terminal (3), and a post insulator (4) comprising a second high voltage terminal (6) configured for connecting a high voltage line (8), whereby the voltage transformer (1) comprises a moving contact (9) electrically connected with a first end to the first high voltage terminal (3) and a spring charged operating mechanism (10) configured for moving the moving contact (9) from a connected state, in which a second opposed end of the moving contact (9) is electrically connected to the second high voltage terminal (6), to an unconnected state, in which the second end is electrically disconnected from the second high voltage terminal (6), and the post insulator (4) comprises an activator (11) configured for, if an overcurrent occurs in the high voltage line (8), electrically disconnecting the second end from the second high voltage terminal (6) such that the spring charged operating mechanism (10) moves the moving contact (9) from the connected state into the unconnected state.

IPC 8 full level  
**H01H 85/02** (2006.01); **H01H 37/00** (2006.01); **H01H 37/76** (2006.01); **H01H 85/36** (2006.01); **H01H 31/28** (2006.01)

CPC (source: EP)  
**H01H 37/002** (2013.01); **H01H 37/761** (2013.01); **H01H 31/28** (2013.01); **H01H 85/0241** (2013.01); **H01H 85/36** (2013.01); **H01H 2037/762** (2013.01); **H01H 2085/0266** (2013.01); **H01H 2085/0291** (2013.01)

Citation (search report)

- [X] US 3810060 A 19740507 - HUBBARD D
- [Y] US 4450425 A 19840522 - MANNING DONALD R [US]
- [Y] EP 3367528 A1 20180829 - ELECTRICAL MAT COMPANY [US]
- [Y] US 5796326 A 19980818 - BENITO DERICK V J [ZA]

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4339988 A1 20240320**; WO 2024061735 A1 20240328

DOCDB simple family (application)  
**EP 22196359 A 20220919**; EP 2023075305 W 20230914