

Title (en)  
ELECTRONIC SWITCHING PROTECTION APPARATUS

Title (de)  
ELEKTRONISCHE SCHALTSCHUTZVORRICHTUNG

Title (fr)  
APPAREILLAGE DE PROTECTION À COUPURE ÉLECTRONIQUE

Publication  
**EP 4248534 A1 20230927 (FR)**

Application  
**EP 21815996 A 20211118**

Priority  
• FR 2011838 A 20201118  
• EP 2021082115 W 20211118

Abstract (en)  
[origin: WO2022106527A1] The invention relates to an electronic switching protection apparatus comprising: - a phase current line and a neutral current line; - a measurement sensor (1'); - an electronic protection tripping device electrically connected to the measurement sensor (1') for processing the acquisition signal and for issuing a protective trip control signal representative of the occurrence of a fault; - a galvanic isolation mechanism (4) comprising first and second pairs of contacts, which is configured to be actuated by a control mechanism (30) or by an actuator (3), characterized in that the electronic protection apparatus comprises - an electronic switching unit (9) comprising a power electronic switching component (10, 11) which is arranged, respectively, on the phase current line, and is able and intended to be made to trip by the protective trip control signal representative of the occurrence of a fault in order to open the at least one electronic switching component (10, 11), in that the actuator (3) is configured to actuate the opening of the first and second pairs of contacts consecutively with the opening of the electronic switching component (10, 11), and in that the electronic protection apparatus comprises a housing (12) in modular format.

IPC 8 full level  
**H02H 3/08** (2006.01); **H01H 83/22** (2006.01); **H02H 3/33** (2006.01); **H02H 3/347** (2006.01); **H03K 17/0814** (2006.01)

CPC (source: EP US)  
**H01H 71/123** (2013.01 - EP); **H01H 83/226** (2013.01 - EP); **H02H 1/0007** (2013.01 - US); **H02H 3/083** (2013.01 - EP); **H02H 3/33** (2013.01 - EP); **H02H 3/34** (2013.01 - US); **H02H 3/347** (2013.01 - EP); **H03K 17/0822** (2013.01 - EP); **H03K 17/0826** (2013.01 - EP)

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)  
**FR 3116391 A1 20220520**; **FR 3116391 B1 20221216**; AU 2021382125 A1 20230615; AU 2021382125 B2 20240815; CN 116458025 A 20230718; EP 4248534 A1 20230927; US 2024006872 A1 20240104; WO 2022106527 A1 20220527

DOCDB simple family (application)  
**FR 2011838 A 20201118**; AU 2021382125 A 20211118; CN 202180077178 A 20211118; EP 2021082115 W 20211118; EP 21815996 A 20211118; US 202118036167 A 20211118