

Title (en)
ELECTRICAL SWITCHING APPARATUS INCLUDING TRANSDUCTOR CIRCUIT AND ALTERNATING CURRENT ELECTRONIC TRIP CIRCUIT

Title (de)
ELEKTRISCHE SCHALTVORRICHTUNG MIT TRANSDUKTORSCHALTUNG UND ELEKTRONISCHER WECHSELSTROMAUSLÖSESCHALTUNG

Title (fr)
APPAREIL DE COMMUTATION ÉLECTRIQUE COMPRENANT UN CIRCUIT DE TRANSDUCTEUR ET UN CIRCUIT DE DÉCLENCHEMENT ÉLECTRONIQUE À COURANT ALTERNATIF

Publication
EP 3080829 A1 20161019 (EN)

Application
EP 14792976 A 20141023

Priority
• US 201314100214 A 20131209
• US 2014061857 W 20141023

Abstract (en)
[origin: WO2015088654A1] An electrical switching apparatus (1) includes a transducer circuit (100) that senses a direct current between at least one input terminal and at least one output terminal and outputs an alternating current proportional to the direct current between the input terminal and the output terminal. The electrical switching apparatus also includes an alternating current electronic trip circuit (200) configured to control pairs of separable contacts to separate based on the alternating current output from the transducer circuit. The alternating current electronic trip circuit includes a rectifier circuit (202), an interface circuit (208), and a processor (216) structured to output a control signal to control a trip actuator (416) to cause an operating mechanism (414) to separate the plurality of pairs of separable contacts.

IPC 8 full level
H01H 71/08 (2006.01); **H01H 33/59** (2006.01); **H01H 71/12** (2006.01)

CPC (source: EP)
H01H 33/596 (2013.01); **H01H 71/08** (2013.01); **H01H 71/123** (2013.01)

Citation (search report)
See references of WO 2015088654A1

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)
WO 2015088654 A1 20150618; EP 3080829 A1 20161019; EP 3080829 B1 20170816

DOCDB simple family (application)
US 2014061857 W 20141023; EP 14792976 A 20141023