

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 B1 20170816 (EN)**

Application  
**EP 14792976 A 20141023**

Priority  
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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.

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