

Title (en)

ELECTRICALLY INSULATED CURRENT MEASURING DEVICE, ELECTRONIC TRIGGER, AND CIRCUIT BREAKER COMPRISING SUCH A DEVICE

Title (de)

ELEKTRISCH ISOLIERTE STROMMESSUNGSVORRICHTUNG, ELEKTRONISCHER AUSLÖSER SOWIE SCHUTZSCHALTER MIT DERARTIGER VORRICHTUNG

Title (fr)

DISPOSITIF DE MESURE DE COURANT A ISOLATION ELECTRIQUE, DECLENCHEUR ELECTRONIQUE, ET DISJONCTEUR COMPORTANT UN TEL DISPOSITIF

Publication

EP 2102668 A2 20090923 (FR)

Application

EP 07871820 A 20071210

Priority

- FR 2007002025 W 20071210
- FR 0611008 A 20061218

Abstract (en)

[origin: FR2910173A1] The device has a signal transformer (14) with a primary winding to receive a primary signal (SP) representative of an input signal (SI). Switching units (16, 31) e.g. electronic interrupter and field-effect transistor, and diodes (32) clip the input signal and provide the primary signal to the winding. A controlling unit (17) controls the units and comprises an input receiving control signals (SC) during switching periods and an output electrically isolated from the input, where the output is connected to the switching units to control clipping of the primary signal during the periods. Independent claims are also included for the following: (1) a voltage trigger comprising a processing unit (2) an electrical circuit breaker comprising control mechanism.

IPC 8 full level

G01R 19/18 (2006.01); **G01R 15/14** (2006.01); **H02H 1/00** (2006.01); **H03K 17/00** (2006.01)

CPC (source: EP US)

G01R 15/146 (2013.01 - EP US); **G01R 19/18** (2013.01 - EP US); **H03K 17/687** (2013.01 - EP US); **H03K 17/6874** (2013.01 - EP US); **H03K 17/691** (2013.01 - EP US); **H03K 17/78** (2013.01 - EP US); **H03K 17/7955** (2013.01 - EP US)

Citation (search report)

See references of WO 2008087275A2

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FR 2910173 A1 20080620; **FR 2910173 B1 20120504**; BR PI0720435 A2 20140107; CN 101622544 A 20100106; CN 101622544 B 20130417; EP 2102668 A2 20090923; US 2010045263 A1 20100225; US 8378663 B2 20130219; WO 2008087275 A2 20080724; WO 2008087275 A3 20080912

DOCDB simple family (application)

FR 0611008 A 20061218; BR PI0720435 A 20071210; CN 200780046867 A 20071210; EP 07871820 A 20071210; FR 2007002025 W 20071210; US 31290407 A 20071210