

Title (en)
Circuit breaker with internal voltage measurement

Title (de)
Leistungsschalter mit interner Spannungsmessung

Title (fr)
Disjoncteur doté d'une mesure de tension interne

Publication
EP 2590198 A1 20130508 (DE)

Application
EP 11187493 A 20111102

Priority
EP 11187493 A 20111102

Abstract (en)
The switch has a switch housing (1) and an electronic module (2), where a contact is provided to tap a voltage at a primary conductor (3). An adapter (4) is provided within the switch housing for reducing the measured voltage of the primary conductor, where the adapter is arranged outside of the electronic module. The adapter comprises a contact plate that is connected as the contact for performing voltage tap with the primary conductor. The contact plate is commonly fastenable with the primary conductor at the switch housing by an attaching unit (6).

Abstract (de)
Leistungsschalter mit einem Schaltergehäuse (1) und mit einem Elektronikmodul (2), wobei mindestens ein Kontakt zum Abgriff einer Spannung an einem Primärleiter (3) vorgesehen ist und dass innerhalb des Schaltergehäuses ein Adapter zur Reduzierung der abgegriffenen Spannung des Primärleiters vorgesehen ist, wobei der Adapter außerhalb des Elektronikmoduls angeordnet ist.

IPC 8 full level
H01H 71/12 (2006.01); **H01H 71/74** (2006.01); **H01H 47/00** (2006.01)

CPC (source: EP US)
H01H 9/0016 (2013.01 - US); **H01H 71/125** (2013.01 - EP US); **H01H 71/7409** (2013.01 - EP US); **H01H 47/002** (2013.01 - EP US)

Citation (applicant)
US 2009190289 A1 20090730 - BELLOTTO HENRI [FR], et al

Citation (search report)
• [XYI] FR 2794281 A1 20001201 - SCHNEIDER ELECTRIC IND SA [FR]
• [YD] EP 2079091 A1 20090715 - SCHNEIDER ELECTRIC IND SAS [FR]
• [A] WO 2008034396 A1 20080327 - SIEMENS AG [DE], et al
• [A] WO 2008034395 A1 20080327 - SIEMENS AG [DE], et al

Cited by
DE102017127888A1; EP3290935A1; FR3055420A1; US10908215B2; US11099239B2

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)
EP 2590198 A1 20130508; CA 2854139 A1 20130510; CN 103907170 A 20140702; CN 103907170 B 20171128; EP 2774162 A1 20140910; EP 2774162 B1 20201014; US 2014318936 A1 20141030; US 9455099 B2 20160927; WO 2013064630 A1 20130510

DOCDB simple family (application)
EP 11187493 A 20111102; CA 2854139 A 20121102; CN 201280053385 A 20121102; EP 12779086 A 20121102; EP 2012071719 W 20121102; US 201214355225 A 20121102