

Title (en)
SWITCHING APPARATUS FOR ELECTRICAL CONTACT TESTING

Title (de)
SCHALTVORRICHTUNG ZUR ELEKTRISCHEN KONTAKTPRÜFUNG

Title (fr)
DISPOSITIF DE COMMUTATION POUR TESTER DES CONTACTS ÉLECTRIQUES

Publication
EP 2350679 A2 20110803 (DE)

Application
EP 09756395 A 20091007

Priority

- AT 2009000387 W 20091007
- AT 15692008 A 20081007

Abstract (en)
[origin: WO2010040161A2] The invention relates to a switching apparatus (1) for electrical contact testing of populated and unpopulated printed circuit boards (12), comprising at least one extensive mount layer (2), a first electrode arrangement (3) and a functional layer (4), wherein the mount layer (2) is elastically restorably deformable and wherein the functional layer (4) is arranged on the first electrode arrangement (3). The functional layer (4) is formed from at least one from the group comprising a layer of a photosensitive material (7), a quantum detector, a photoresistor, and, furthermore, at least one source of electromagnetic radiation (8) is arranged above the functional layer (7), wherein the emitted electromagnetic radiation acts predominantly in the direction of the functional layer (4). The functional layer (4) may also be in the form of a transistor arrangement (9), formed from a plurality of transistors. Furthermore, the invention relates to a method for producing a switching apparatus (1).

IPC 8 full level
G01R 31/28 (2006.01)

CPC (source: EP US)
G01R 1/071 (2013.01 - EP US); **G01R 31/2808** (2013.01 - EP US)

Citation (search report)
See references of WO 2010040161A2

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
AT 507322 A1 20100415; AT 507322 B1 20110715; CN 102265170 A 20111130; CN 102265170 B 20141105; EP 2350679 A2 20110803; JP 2012517582 A 20120802; JP 3202798 U 20160225; US 2011241721 A1 20111006; US 9958478 B2 20180501; WO 2010040161 A2 20100415; WO 2010040161 A3 20100701

DOCDB simple family (application)
AT 15692008 A 20081007; AT 2009000387 W 20091007; CN 200980146934 A 20091007; EP 09756395 A 20091007; JP 2011530325 A 20091007; JP 2015005666 U 20151106; US 99828709 A 20091007