

Title (en)
Protection device for apparatus carrying load current

Title (de)
Schutzvorrichtung für ein Laststrom führendes Gerät

Title (fr)
Dispositif de protection pour un appareil qui conduit un courant de charge

Publication
EP 1657797 A1 20060517 (DE)

Application
EP 05023391 A 20051026

Priority
DE 102004054933 A 20041113

Abstract (en)
The protective cover (5) has electrical contacts (10) in electrical connection with the additional contacts (11) of the inverter (1). When the protective cover is removed, the contacts of the protective cover are separated from the additional contacts, thereby reducing the load current.

IPC 8 full level
H02J 1/00 (2006.01); **H01R 13/70** (2006.01)

CPC (source: EP US)
H01R 13/701 (2013.01 - EP US); **H01R 13/7038** (2013.01 - EP US)

Citation (search report)
• [Y] US 2439708 A 19480413 - ABRAHAM HANS A
• [Y] EP 0437696 A1 19910724 - MERTEN GMBH & CO KG GEB [DE]
• [YD] DE 10225259 B3 20040122 - SMA REGELSYSTEME GMBH [DE]
• [A] DE 10151163 A1 20030430 - BOMBARDIER TRANSP GMBH [DE]

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EP2299793A1; DE102011076553A1; US9692164B2; US11018623B2; WO2011032669A1; US7900361B2; US8004117B2; US9853565B2; US10992238B2; US9960731B2; US11579235B2; US11961922B2; US9680304B2; US9948233B2; US10097007B2; US11063440B2; US11962243B2; US9066454B2; US9644993B2; US9917587B2; US9923516B2; US10381977B2; US11002774B2; US11073543B2; US11183968B2; US11598652B2; US11620885B2; US9935458B2; US10637393B2; US11271394B2; US11476799B2; US11996488B2; EP2249393A1; DE102009019831A1; US8614865B2; US10461687B2; US10468878B2; US10693415B2; US11183969B2; US11296650B2; US11424616B2; US9639106B2; US9866098B2; US10007288B2; US10666125B2; US11205946B2; US11881814B2; US9673711B2; US9960667B2; US10116217B2; US10516336B2; US11031861B2; US11309832B2; US11575260B2; US11575261B2; US11594968B2; US11594882B2; US11594881B2; US11594880B2; US11658482B2; US11735910B2; US8179147B2; US9478967B2; US9853490B2; US9941813B2; US11545912B2; US11742777B2; US12027849B2; US9647442B2; US9853538B2; US9869701B2; US10447150B2; US10673222B2; US10931228B2; US10969412B2; US11183922B2; US11349432B2; US11867729B2; US12003215B2; US9870016B2; US10270255B2; US10599113B2; US10705551B2; US11056889B2; US11081608B2; US11264947B2; US11334104B2; US11538951B2; US11687112B2; US11735951B2; US11740647B2; US11824131B2; US11894806B2; DE102014207346A1; US10115841B2; US10396662B2; US10778025B2; US10931119B2; US11177663B2; US11177768B2; US11201476B2; DE102014207346B4; US11728768B2; US11870250B2; US11979037B2; US12003107B2; US9812984B2; US9819178B2; US9966766B2; US10230245B2; US10608553B2; US10651647B2; US10673253B2; US11043820B2; US11424617B2; US11682918B2; US11888387B2; US11929620B2; US12027970B2; US9748896B2; US9748897B2; US9813020B2; US9876430B2; US10061957B2; US10090803B2; US10411644B2; US10432138B2; US10540530B2; US10622939B2; US10673229B2; US10686402B2; US10879840B2; US11070051B2; US11088656B2; US11489330B2; US11509263B2; US11695371B2; US11817820B2; US9831824B2; US9979280B2; US10230310B2; US10644589B2; US10886832B2; US10886831B2; US11183923B2; US11296590B2; US11632058B2; US11693080B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2006077599 A1 20060413; US 7338311 B2 20080304; AT E410810 T1 20081015; CN 100533907 C 20090826; CN 1773803 A 20060517; DE 102004054933 B3 20060504; DE 502005005603 D1 20081120; EP 1657797 A1 20060517; EP 1657797 B1 20081008; ES 2314539 T3 20090316

DOCDB simple family (application)
US 26312905 A 20051031; AT 05023391 T 20051026; CN 200510115198 A 20051114; DE 102004054933 A 20041113; DE 502005005603 T 20051026; EP 05023391 A 20051026; ES 05023391 T 20051026