

Title (en)
Electrical connector with interengaging shapes

Title (de)
Komplementär verbindbarer elektrischer verbinder

Title (fr)
Connecteur électrique réciproquement relié

Publication
EP 1655810 A1 20060510 (EN)

Application
EP 05023933 A 20051103

Priority
FR 0411760 A 20041104

Abstract (en)
The invention concerns an electrical connector including a casing (3) having a male mechanical connection structure (38) with a complementary element including two connection pins which may be short-circuited with each other by a short-circuit element of the structure, and a button (5) for short-circuit elimination intended to be fitted in the casing, characterised in that the said button (5) includes a stop element (53) and the said structure includes a locking element on a resilient member (38) taking, during the mounting the casing (3) on the complementary element (2), a first position, at stop, of the stop element (53), preventing the said button (5) from reaching a final position in which the latter causes the elimination of the short-circuit, if the said structure is not yet locked into final position on the latter, and a second position separate from the stop element (53), enabling the button (5) to reach the final position if the said structure is locked into final position on the complementary element.

IPC 8 full level
H01R 13/641 (2006.01)

CPC (source: EP)
H01R 13/64 (2013.01); **H01R 13/641** (2013.01); **H01R 13/639** (2013.01)

Citation (applicant)
• US 5275575 A 19940104 - CAHALY JAMES E [US], et al
• EP 1369965 A2 20031210 - J S T MFG CO LTD [JP]
• EP 1207591 A2 20020522 - FRAMATONE CONNECTORS INT [FR]
• US 6811424 B2 20041102 - SEMINARA PHILLIP G [US], et al

Citation (search report)
• [A] EP 1369965 A2 20031210 - J S T MFG CO LTD [JP]
• [A] EP 1207591 A2 20020522 - FRAMATONE CONNECTORS INT [FR]
• [A] US 2004192099 A1 20040930 - SEMINARA PHILLIP G [US], et al

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CN101312279A; EP1995827A3

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)
EP 1655810 A1 20060510; EP 1655810 B1 20080326; AT E390740 T1 20080415; DE 602005005603 D1 20080508;
DE 602005005603 T2 20090430; ES 2302112 T3 20080701; FR 2877504 A1 20060505

DOCDB simple family (application)
EP 05023933 A 20051103; AT 05023933 T 20051103; DE 602005005603 T 20051103; ES 05023933 T 20051103; FR 0411760 A 20041104