

Title (en)
Electrical plug connector

Title (de)
Elekrischer Steckverbinder

Title (fr)
Connecteur électrique à douille

Publication
EP 1081802 A1 20010307 (EN)

Application
EP 00117351 A 20000822

Priority
DE 19941328 A 19990831

Abstract (en)
The invention specifies an electrical plug connector comprising a contact connector (1) having at least one row of contact chambers (2), into each of which a contact element can be inserted and latched, and at least one groove (3) running transversely with respect to the plug-in direction, a mating connector (4) having at least one first guide element (10) and a cross-slide (5) having at least one second guide element (8) for the mating connector (4), said second guide element being complementary to the first guide element (10), and having at least one locking bar (6), which runs transversely with respect to the plug-in direction and can be inserted into the groove (3), for secondarily securing the contact elements. In the final latched position of the plug connector, the cross-slide (5) locks the two plugged-in connectors (1, 4) to one another and secures the contact elements situated in the contact chambers (2), and, when the cross-slide (5) is pushed in, the locking bar (6) projecting into the contact chambers (2) can be moved in the groove (3) and, at essentially the same time as this, the first two guide elements (8, 10) slide into one another, so that the two connectors (1, 4) can be guided towards one another. <IMAGE>

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H01R 13/629; **H01R 13/436**

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CPC (source: EP)
H01R 13/4361 (2013.01); **H01R 13/62905** (2013.01)

Citation (search report)
• [A] DE 3736036 C1 19890202 - KOSTAL LEOPOLD GMBH & CO KG
• [A] US 5738549 A 19980414 - LAQUERBE JACQUES [FR]
• [A] EP 0831559 A2 19980325 - SIEMENS AG [DE]
• [A] US 5725398 A 19980310 - CAPPE PATRICE [FR]
• [A] US 5462447 A 19951031 - BOIRET GERARD [FR], et al

Cited by
DE102016120063B4; FR2823913A1; DE102016120063A1; US10686274B2; US10181678B2

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