

Title (en)

Electrical connector with preloaded contacts blades

Title (de)

Elektrischer Steckverbinder mit vorgespannten Kontaktlamellen

Title (fr)

Connecteur électrique avec des lamelles de contact précontraintes

Publication

EP 1764875 A1 20070321 (DE)

Application

EP 06119992 A 20060901

Priority

DE 102005043694 A 20050914

Abstract (en)

The plug connector (1) has a plug holder (7) for inserting an electrically conducting contact pin (9) with contact lamellas (11) biased towards each other and extending from a base opposite to the plug-in direction of the contact pin so as to enclose the top and bottom of the plug holder in an initial state in which they are ready for insertion and a spreading element (13).

IPC 8 full level

H01R 13/193 (2006.01)

CPC (source: EP)

H01R 13/193 (2013.01); **H01R 13/10** (2013.01); **H01R 13/18** (2013.01); **H01R 13/187** (2013.01)

Citation (search report)

- [A] EP 0087894 A1 19830907 - AMP INC [US]
- [A] DE 1790315 B1 19750814 - BENOIT GERARD [FR], et al
- [A] AT 182150 B 19550525 - RUDOLF BOGENSCHUETZ GMBH ELEKT [DE]
- [A] DE 10352069 A1 20040603 - TYCO ELECTRONICS AMP GMBH [DE]
- [A] US 2003109181 A1 20030612 - BUNGO EDWARD M [US]
- [A] "ZERO INSERTION FORCE CONTACT SYSTEM", IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 32, no. 5B, 1 October 1989 (1989-10-01), pages 26 - 27, XP000049012, ISSN: 0018-8689

Cited by

DE102019210695B3; EP2139076A1; JP2021061172A; DE202014010441U1

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1764875 A1 20070321; **EP 1764875 B1 20100519**; AT E468633 T1 20100615; DE 102005043694 A1 20070315; DE 502006006966 D1 20100701

DOCDB simple family (application)

EP 06119992 A 20060901; AT 06119992 T 20060901; DE 102005043694 A 20050914; DE 502006006966 T 20060901