

Title (en)

Self-locking electrical plug connector particularly for automotive applications

Title (de)

Selbstverrastbarer elektrischer Steckverbinder insbesondere für Anwendungen in der Automobiltechnik

Title (fr)

Connecteur électrique auto-couplant spécialement pour des applications automobiles

Publication

EP 1050931 A1 20001108 (EN)

Application

EP 00109073 A 20000502

Priority

DE 19920481 A 19990504

Abstract (en)

Described is a self-locking electrical plug connector with a cylindrical plug (1), a counterplug (21) which is complementary to (1), a bayonet ring (23) which is rotatable about the housing (22) of the counterplug (21) for locking the plug (1) into the counterplug (21). The bayonet ring (23) is gripped by at least one tension spring (66). Around the bayonet ring (23) is arranged a rotatable collar (24) which on being closed, releases the bayonet ring (23) which is interlocked with the counterplug housing (22), so that the bayonet ring is closed by the power of the tension spring (66). <IMAGE>

IPC 1-7

H01R 13/625

IPC 8 full level

H01R 13/625 (2006.01)

CPC (source: EP)

H01R 13/625 (2013.01)

Citation (search report)

- [A] US 3848950 A 19741119 - MCCORMICK L, et al
- [A] US 5662488 A 19970902 - ALDEN PETER H [US]
- [A] EP 0620615 A2 19941019 - SUMITOMO WIRING SYSTEMS [JP]

Cited by

US9502824B2; DE102019130491B3; CN111342302A; CN105940569A; CN108327661A; FR2859424A1; US10199766B2; EP4096027A1; USD833978S; USD898672S; USD900751S; WO2022248291A1

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DOCDB simple family (publication)

EP 1050931 A1 20001108; EP 1050931 B1 20040728; AT E272255 T1 20040815; BR 0001697 A 20001226; DE 19920481 C1 20010118; DE 60012409 D1 20040902

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