

Title (en)

Plug connector for the electrical connection of trailers

Title (de)

Stecker für eine Steckverbindung für den elektrischen Anschluss von Kraftfahrzeuganhängern

Title (fr)

Connecteur à fiches pour la connexion électrique de remorques

Publication

EP 0562645 B2 20041124 (DE)

Application

EP 93108402 A 19870605

Priority

- DE 8615641 U 19860610
- EP 87108259 A 19870605

Abstract (en)

[origin: EP0562645A2] The invention relates, inter alia, to a plug for a plug connection for the electrical connection of motor-vehicle trailers, having a housing which accommodates a contact insert (2) having contact pins (3) and which has a bayonet connecting part (5) for connection to a plug socket from an inner sleeve (7) and a bayonet ring (8) which is supported thereon such that it can rotate, having a positively-locking interlock, which can preferably be unlocked in a positive manner during insertion of the bayonet connecting part (5) into the associated socket, of the bayonet ring (8) to the inner sleeve (7) in the bayonet unlocking position, which has an unlocking pin (28) which, in the bayonet unlocking position, projects radially out of an opening (27) in the bayonet ring (8) and is supported on an interlock spring (29) which, in the bayonet unlocking position, inhibits twisting of the bayonet ring (8) with respect to the inner sleeve (7) and allows said twisting when the unlocking pin (28) is pressed down. <IMAGE>

IPC 1-7

H01R 24/00; **H01R 13/625**

IPC 8 full level

H01R 13/625 (2006.01); **H01R 13/447** (2006.01)

CPC (source: EP)

H01R 13/625 (2013.01); **H01R 13/447** (2013.01)

Citation (opposition)

Opponent :

- DE 3405520 A1 19840823 - DROGO PIERRE L M
- US 4109990 A 19780829 - WALDRON CLIFFORD ROBERT, et al
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- Datenblatt Amphenol-Tuchel Electronics GmbH, Serie C16-3
- Schreiben Amphenol-Tuchel GmbH an KEMA vom 30.04.85
- Schreiben der Firma Amphenol-Tuchel Electronics vom 08.08.1985 an die Firma Engelhardt GmbH

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EP 0562645 A2 19930929; **EP 0562645 A3 19960124**; **EP 0562645 B1 19981007**; **EP 0562645 B2 20041124**; AT E103422 T1 19940415; AT E172062 T1 19981015; DE 3752225 D1 19981112; DE 3789402 D1 19940428; DE 8615641 U1 19861113; EP 0249181 A2 19871216; EP 0249181 A3 19900117; EP 0249181 B1 19940323; ES 2053467 T3 19940801; ES 2123587 T3 19990116; ES 2123587 T5 20050401

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