

Title (en)

Electrical connector with latchable insulating body which can be released without the use of tools

Title (de)

Elektrischer Steckverbinder mit rastbarem werkzeuglos lösbarem Isolierkörper

Title (fr)

Connecteur à fiches électrique doté d'un corps d'isolation pouvant être bloqué et amovible sans outil

Publication

EP 2209162 B1 20150916 (DE)

Application

EP 09016028 A 20091224

Priority

DE 202009000542 U 20090114

Abstract (en)

[origin: US2010178812A1] An electrical plug connector with a tube-shaped housing section in which a multi-part insulating body with electrical contact elements is disposed, with the insulating body having at least one contact carrier with radially inserted contact elements and a contact carrier sleeve element for holding the contact elements that can be pushed onto the contact carrier. The pre-assembled insulating body can be inserted in the axial direction into the housing section from the side of the housing section that is opposite the plug-in side of the plug connector, with the contact carrier being non-permanently lockable with the contact carrier sleeve element and with the contact carrier sleeve element being non-permanently fixable on the housing section. The invention proposes to implement the contact carrier sleeve element with axially arranged spring arms at a rear sleeve end that faces away from the insertion side, with at least one first spring arm having an outer locking element protruding radially towards the housing section, and at least one second spring arm having an inner locking element projecting radially in the direction of the contact carrier.

IPC 8 full level

H01R 9/03 (2006.01); **H01R 13/506** (2006.01)

CPC (source: EP US)

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DOCDB simple family (publication)

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