

Title (en)
ELECTRICAL PLUG-IN CONNECTOR

Title (de)
ELEKTRISCHER STECKVERBINDER

Title (fr)
CONNECTEUR ÉLECTRIQUE À FICHES

Publication
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Application
EP 10715676 A 20100322

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Abstract (en)
[origin: WO2010115514A2] The invention illustrates and describes an electrical plug-in connector for the detachable connection of a multicore cable to a mating plug-in connector (2), having a grip body (4) surrounding the cable and the cores (3) of the cable, having a contact carrier (6) receiving and holding a plurality of contact elements (5), and having a rotatably arranged sleeve-like threaded part (7), the individual contact elements (5) being electrically conductively connected to the individual cores (2), and its being possible for the sleeve-like threaded part (7) to be screwed to a corresponding sleeve-like threaded part (9) of the mating plug-in connector (2). In the electrical plug-in connector according to the invention, the assembly of the plug-in connector, in particular of the contact elements (5), is particularly simply possible in that, in the contact carrier (6), a number is formed, corresponding to the number of contact elements (5), of outwardly open grooves (11) running parallel to the longitudinal axis of the contact carrier (6), and in that, in the front end (12) of the contact carrier (6) facing the mating plug-in connector (2), adjacent to the grooves (11), a number is formed corresponding to the number of grooves (11) of passage holes (13), through which the ends (14) of the contact elements (5) that face the cores (3) project in the longitudinal direction of the contact elements (5) when assembled.

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Citation (examination)
• US 5009614 A 19910423 - FOGG MICHAEL W [US], et al
• WO 2008061780 A2 20080529 - PHOENIX CONTACT GMBH & CO [DE], et al
• US 2007259568 A1 20071108 - MACKILLOP WILLIAM J [US], et al

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