

Title (en)
ELECTRICAL PLUG-IN CONNECTION

Title (de)
ELEKTRISCHE STECKVERBINDUNG

Title (fr)
CONNECTEUR ELECTRIQUE

Publication
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Application
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Priority
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Abstract (en)
[origin: US6361380B1] A plug connection having a first connector, which can be sealingly coupled to a second connector, is designed such that contact elements of the first connector are secured axially and the unit volume of the plug connection is small. The first connector has contact elements, which, in an end area that is facing the second connector, support locking bodies, which can be overlapped axially in a form-locking manner by a locking element that is movably supported on the first connector. A seal that generates the seal between the two connectors is mounted in the locking element axially downstream and therefore in the spatial vicinity of the end area, as a result of which a pot-shaped plug-in receptacle of the second connector that overlaps the seal is of small axial dimensions. The locking element, if not correctly inserted may block mating of the first and second connectors. This plug connection may advantageously be used in motor vehicles in cramped installation circumstances.

IPC 8 full level
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