

Title (en)
ELECTRICAL PLUG-IN CONNECTOR

Title (de)
ELEKTRISCHER STECKVERBINDER MIT EINER ABREIßERHÖHUNG

Title (fr)
CONNECTEUR ÉLECTRIQUE ENFICHABLE À PARTIE SAILLANTE D'ARRACHAGE

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Application
EP 11767451 A 20111011

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Abstract (en)
[origin: WO2012049169A1] The invention relates to a plug-in connector (2) comprising a first (1) and a second plug part (3) which can be reversibly coupled and disconnected, wherein a connection device is designed that has at least one spring element (19), at least one spring piece (25, 26, 27) of which engages with a sliding guide (47) in the second plug part (3) in order to connect the plug parts (1, 3). The sliding guide (47) and the spring element (9) are designed such that the plug parts (1, 3) are automatically disconnected when a release threshold value is exceeded. A raised release element (50) which is embraced by the spring piece (25, 26, 27) in the plugged state of the plug parts (1, 3) is formed on the sliding guide (47). Said raised release element (50) is rectilinear in the circumferential direction around the longitudinal axis (A) and extends on the same axial sectional level across the width of the release element when viewed in the axial direction in such a way that when a tensile force that is greater than the release threshold value is applied to the plug parts (1, 3), the spring piece (25, 26, 27) is guided over the raised release element (50) exclusively in the axial direction in order to automatically disconnect the plug parts (1, 3). The invention also relates to a method for connecting and disconnecting plug parts (1, 3).

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