

Title (en)
HIGH-CURRENT PLUG CONNECTOR

Title (de)
HOCHSTROM-STECKVERBINDER

Title (fr)
CONNECTEUR HAUTE PUISSANCE

Publication
EP 2649684 A1 20131016 (DE)

Application
EP 11785336 A 20111111

Priority
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Abstract (en)
[origin: WO2012076101A1] The invention describes a high-current plug connector for currents of more than 100 A, in particular more than 200 A. The high-current plug connector of the invention comprises a first connection element (10) which comprises a first contact section (11) and a first connection section (12), and also a second connection element (20) which comprises a second contact section (21) and a second connection section (22). The high-current plug connector also has a spring element (30), which is arranged between the first and the second contact section (11, 21), for establishing an electrical connection between the first and the second connection element (10, 20), wherein the first and the second connection section are each connected to an electrical conductor (13, 23). The first and the second contact section (11, 21) are each in the form of flat pieces. A first, planar contact area (11 A) is formed on a front face of the first contact section, and a second, planar contact area (21 A) is formed on a front face of the second contact section (21), wherein the spring element (30) is clamped exclusively between the first and the second contact areas (11A, 21A) in order to electrically connect the first and the second contact section (11, 21).

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