

Title (en)
FRICTION WELDING CONNECTOR AND ITS METHOD OF PRODUCTION

Title (de)
REIBSCHWEIßVERBINDER UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)
CONNECTEUR À SOUDURE DE FRICTION ET SON PROCÉDÉ DE PRODUCTION

Publication
EP 4118717 A1 20230118 (DE)

Application
EP 21710936 A 20210308

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Abstract (en)
[origin: WO2021180627A1] The invention relates to a method for producing an electrical connection (100) by integrally joining a first contact part (110) to a second contact part (120), comprising the steps: providing the first contact part (110) which has, towards the second contact part (120), a male first joining section (111) as a solid component with an at least substantially rotationally symmetrical profile; providing the second contact part (120) which has, towards the first contact part, a female second joining section (121) having a hollow profile; introducing the first joining section (111) into the second joining section (121); applying a friction welding tool (400) to or in an opening in the second joining section (121); and moving the friction welding tool (400) relative to the first contact part (110) and/or the second contact part (120) to generate welding energy for at least partial plasticisation of a part of the first joining section (111) and/or second joining section (121) facing the other contact part (110, 120).

IPC 8 full level
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Citation (search report)
See references of WO 2021180627A1

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