

Title (en)  
ELECTRIC CONNECTION DEVICE

Title (de)  
ELEKTRISCHE VERBINDUNGSVORRICHTUNG

Title (fr)  
DISPOSITIF DE CONNEXION ÉLECTRIQUE

Publication  
**EP 4298695 A1 20240103 (DE)**

Application  
**EP 22710500 A 20220216**

Priority  
• DE 102021104244 A 20210223  
• EP 2022053766 W 20220216

Abstract (en)  
[origin: WO2022179897A1] The invention relates to an electric connection device comprising a female contact and a male contact body which are designed such that the male contact body can be inserted into the female contact along an insertion direction and the male contact body has a cavity which reaches through the male contact body, said cavity being delimited by an inner face of the male contact body. The device additionally has a spreading element which is inserted into the cavity and which has cross-sections that taper along the longitudinal axis of the spreading element in the securing direction, wherein the spreading element can be converted from a released position into a tightened position along the securing direction such that the male contact body is spread apart, thus generating a contact pressure between the female contact and the male contact body. In the process, the cavity reaches through the entire male contact body and thus forms two openings on the male contact body. According to the invention, the inner face of the male contact body has a first latching element, and the outer face of the spreading element has a second latching element, said first latching element latching with the second latching element when the spreading element reaches the tightened position so that the spreading element is secured in the tightened position.

IPC 8 full level  
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