

Title (en)  
ELECTRICAL CONNECTOR COMPRISING PUSH-PULL TYPE LATCHING

Title (de)  
ELEKTRISCHER RUNDSTECKVERBINDER MIT PUSH-PULL-VERRIEGELUNG

Title (fr)  
CONNECTEUR ÉLECTRIQUE AVEC VERROUILLAGE DU TYPE PUSH-PULL

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Application  
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Abstract (en)  
[origin: WO2015132046A1] The invention relates to an electrical circular plug-in connector (2) having a plug part (1) and a counter-plug part (3), which can be releasably locked together by means of a push-pull locking mechanism via at least one locking element (6) that extends axially and can be deflected radially, which element is provided with an inwardly protruding detent (7), to which an outwardly open latching trap (8) is assigned on the counter-plug part (3). The locking element (6) is integrally molded on a retaining ring (10), which is immovably mounted on the plug part (1) between the unlocking sleeve (9) and a front hollow cylindrical plug region (11) of the plug part (1), and which pulls the plug part (1) and the counter-plug part (3) together in a play-free manner by means of a spring force component acting inwardly in a radial direction. According to the invention, a securing sleeve (22) for the locking element (6) is arranged between the retaining ring (10) and the unlocking sleeve (9), said securing sleeve being axially displaceable with the unlocking sleeve and acting upon the locking element (6) with radially inward force by means of the spring force of a helical pressure spring (23).

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