

Title (en)  
ELECTRICAL CONNECTOR WITH A FASTENING ELEMENT AND ELECTRICAL PLUG-IN CONNECTION COMPRISING THE ELECTRICAL CONNECTOR

Title (de)  
ELEKTRISCHER VERBINDER MIT EINEM BEFESTIGUNGSELEMENT UND ELEKTRISCHE STECKVERBINDUNG UMFASSEND DEN ELEKTRISCHEN VERBINDER.

Title (fr)  
CONNECTEUR ÉLECTRIQUE AVEC UN ÉLÉMENT DE FIXATION ET CONNECTION ÉLECTRIQUE COMPRENANT LEDIT CONNECTEUR ÉLECTRIQUE

Publication  
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Application  
**EP 23159685 A 20190809**

Priority  
• EP 23159685 A 20190809  
• EP 19190945 A 20190809

Abstract (en)  
[origin: WO2021028294A1] The invention relates to an electrical plug connector (1), comprising a plug connector housing (2), a locking securement means (5) for locking the plug connector (1) with a corresponding electrical mating plug connector (6), and a securing element (12) which can be displaced between a pre-latching position and a securing position. The securing element (12) blocks the locking securement means (5) in the securing position to prevent unlocking of the mating plug connector (6). According to a first variant, there is provision that the plug connector housing (2) forms a lead-in (14) along which the securing element (12) can be displaced from outside the plug connector housing (2) in the direction of the longitudinal axis (L) of the plug connector housing (2) and into the pre-latching position. According to an alternative or additional second variant, there is provision that, in the pre-latching position, the securing element (12) is positioned in the plug connector housing (2) in such a way that, as a result of the mating plug connector (6) being plugged in, the securing element (12) is brought into a pre-securing position in which the securing element (12) is mechanically braced, wherein the plug connector housing (2) forms a guide (21) along which the securing element (12) can be displaced from the pre-securing position into the securing position and is mechanically relieved of load in the process.

Abstract (de)  
Die Erfindung betrifft einen elektrischen Steckverbinder (1), aufweisend ein Steckverbindergehäuse (2), eine Verriegelungssicherung (5) zur Verriegelung des Steckverbinders (1) mit einem korrespondierenden elektrischen Gegensteckverbinder (6), und ein zwischen einer Vorrastposition und einer Sicherungsposition verschiebbares Sicherungselement (12). Das Sicherungselement (12) blockiert die Verriegelungssicherung (5) in der Sicherungsposition, um ein Entriegeln des Gegensteckverbinders (6) zu verhindern. Es ist vorgesehen, dass das Steckverbindergehäuse (2) eine Zuführung (14) ausbildet, entlang der das Sicherungselement (12) von außerhalb des Steckverbindergehäuses (2) in Richtung auf die Längsachse (L) des Steckverbindergehäuses (2) in die Vorrastposition verschiebbar ist.

IPC 8 full level  
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CPC (source: CN EP US)  
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Citation (applicant)  
• US 2019044278 A1 20190207 - AMEMIYA DAIKI [JP], et al  
• US 9929509 B1 20180327 - PENN MATTHEW L [US], et al  
• WO 2010032088 A1 20100325 - FRAMATOME CONNECTORS INT [FR], et al  
• US 6491542 B1 20021210 - ZEREBILOV ARKADY Y [US]

Citation (search report)  
• [A] US 2019044278 A1 20190207 - AMEMIYA DAIKI [JP], et al  
• [A] US 9929509 B1 20180327 - PENN MATTHEW L [US], et al  
• [A] WO 2010032088 A1 20100325 - FRAMATOME CONNECTORS INT [FR], et al  
• [A] US 6491542 B1 20021210 - ZEREBILOV ARKADY Y [US]

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