

Title (en)
IMPROVED ELECTRICAL CONNECTOR

Title (de)
VERBESSERTER ELEKTRISCHER STECKVERBINDER

Title (fr)
CONNECTEUR ÉLECTRIQUE AMÉLIORÉ

Publication
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Application
EP 15711845 A 20150217

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Abstract (en)
[origin: WO2015121847A1] The invention describes an electrical connector consisting of a substantially parallelepiped-shaped containment cage with structural function, provided with a pair of lateral walls, a lower wall and an upper wall that develop according to a substantially longitudinal direction and define a substantially closed inner compartment for housing at least one electrical wire or cable. The containment cage is provided, at a front end thereof, with an opening for the insertion of the electrical wire or cable to be removably connected to the electrical connector. An elastic pressure element extends from the upper wall towards the inner compartment of the containment cage, so as to hold - by friction - the electrical wire or cable in electrical contact with the lower wall. One or more connection elements with electrical circuits for the transmission of the signals transferred by the electrical wire or cable extend from the lower wall towards the outer part of the containment cage. The lateral walls, the lower wall, the upper wall, the elastic pressure element and the one or more connection elements with electrical circuits are made from a single block of electrically conductive material, folded upon itself to form the containment cage. The structural and box-shaped strength of the block that constitutes the containment cage is guaranteed by a fit-coupling obtained through one or more engagement couplings obtained on one of the longitudinal sides of the containment cage, so that the engagement couplings are capable of irreversibly connecting the lower wall to one of the lateral walls of the containment cage.

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