

Title (en)
ELECTRICAL COUPLING ADAPTER AND SOCKET

Title (de)
ELEKTRISCHER KUPPLUNGS-ADAPTER UND STECKDOSE

Title (fr)
ADAPTATEUR DE BRANCHEMENT ELECTRIQUE ET PRISE DE COURANT

Publication
EP 1756919 B1 20101124 (DE)

Application
EP 04739925 A 20040616

Priority
EP 2004006457 W 20040616

Abstract (en)
[origin: WO2005124943A1] Disclosed is an adapter for connecting a plug and a socket comprising a different number of contacts and/or contacts having different sizes, respectively. Said adapter encompasses a hollow cylindrical adapter housing whose outer circumference is provided with at least one connecting groove which spirals like a thread on the side facing the socket and into which at least one pin that is disposed on the socket engages. A coupling insert comprising adapter contacts which are arranged therein and interconnect individual contacts of the socket and the plug is positioned in the adapter housing so as to be rotatable about the longitudinal axis of the adapter housing. Also disclosed is a socket for receiving a plug or an adapter as described above. Said socket comprises a socket housing and a cylindrical bushing with socket contacts that are located therein. The socket housing is provided with a central receiving hole for removably accommodating the bushing. At least one resilient snapping spring is placed on the outer circumference of the face of the bushing located opposite the plug or the adapter. A stop which surrounds the receiving hole and is provided with a holding window that is arranged thereupon is disposed on the socket housing such that the snapping spring locks into the holding window when the bushing is inserted into the receiving hole.

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Cited by
WO2015112580A1; EP3097610A4; EP3657609A1

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