

Title (en)
Electrical connectors.

Title (de)
Elektrische Verbinder.

Title (fr)
Connecteurs électriques.

Publication
EP 0247814 A2 19871202 (EN)

Application
EP 87304599 A 19870522

Priority
GB 8612963 A 19860528

Abstract (en)
A knurled coupling nut 7 houses a dielectric insert 2A which can rotate relative to the nut 7 against a torque restraint provided by leaf springs 11 co-operating with outwardly facing gear teeth 13 on the insert 2A. The springs 11 fit into different cavities 12 in which, in the assembled condition, the base of each cavity is provided by the gear teeth 13 and the opposite face of each cavity is provided by the inner surface of the coupling nut. The front wall to each cavity is provided by a locating washer 14, the washer 14 having a plurality of evenly spaced lugs 14A, and tapered side walls of those lugs 14A provide side walls to the cavities 12. In the position shown, one apex of the spring would engage the teeth 13 to provide a ratchet mechanism for the coupling nut. In an alternative arrangement one or more of the springs 11 may be reversed so that apices of that spring engage different teeth 13 of the ratchet to provide a different ratchet torque.

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H01R 13/621

IPC 8 full level
H01R 13/622 (2006.01)

CPC (source: EP)
H01R 13/622 (2013.01)

Cited by
EP0546657A3; EP2993739A1; EP0708496A3; GB2243035A; GB2243035B; US8579644B2; US9531120B2; US7914311B1; US7905741B1

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