

Title (en)
Turnable high current connection.

Title (de)
Drehbare Hochstromverbindung.

Title (fr)
Connexion tournante à haut courant.

Publication
EP 0424599 B1 19940914 (DE)

Application
EP 90106765 A 19900409

Priority
DE 3935440 A 19891025

Abstract (en)
[origin: JPH03152888A] PURPOSE: To prolong the durable lifetime of a device by so forming flanges as to contact with the hollow chambers between an inner and an outer pipes, in which a cooling medium passes, providing a cooling medium passage inside both the flanges in which feeder conduits correspond to each other, and embedding strands in attached flanges by brazing. CONSTITUTION: Conductive inside pipe 2 and conductive outside pipes 3, 55, 46 are arranged around the same axis, and hollow chambers 4, 5, 50, 51, which are provided between these inner and outer pipes, lead the cooling medium. Metal flanges 9, 11, 13, 14 are provided in an end of these pipes, in which these pipes are connected to feeder conduits 26, 27, and the flange 9 can directly contact with the cooling medium in the hollow chamber 5. Both flanges 19, 20 corresponding to the conduits 26, 27 are provided with cooling medium passages 21, 22 inside thereof, and both ends of a pair of strands 17, 18 are embedded in the flanges 14, 19, 11, 20 by brazing with metal for electrical continuity to each other. With this structure, the strands can be cooled without generating corrosion due to the cooling water.

IPC 1-7
H01R 35/02; **H01B 17/54**

IPC 8 full level
H01R 35/04 (2006.01); **H01B 17/54** (2006.01); **H01R 35/02** (2006.01); **H05B 6/02** (2006.01); **H05B 6/42** (2006.01)

CPC (source: EP US)
H01R 35/02 (2013.01 - EP US); **H05B 6/02** (2013.01 - EP US); **H05B 6/42** (2013.01 - EP US)

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