

Title (en)
HIGH OR MEDIUM VOLTAGE SWIVEL

Title (de)
HOCH- ODER MITTELSPANNUNGS-DREHTEIL

Title (fr)
ROTULE POUR HAUTES ET MOYENNES TENSIONS

Publication
EP 1972041 B1 20090819 (EN)

Application
EP 05817894 A 20051216

Priority
EP 2005013941 W 20051216

Abstract (en)
[origin: WO2007068278A1] High voltage swivel, comprising an annular outer element around a longitudinal axis and an inner cylindrical element coaxial with the outer element and rotatable relative to said outer element around said axis, each comprising at least two axially spaced conductors rotatable with the inner and outer elements, the conductors forming pairs placed with contact surfaces in mutual electrical contact. One conductor in each pair is provided at the inner element, the other at the outer element and connected to a respective voltage line, the conductors of the outer element are provided in a recess in an annular solid outer insulating ring, the conductors of the inner element are provided in a recess in an annular solid inner insulating ring, coaxial with the outer ring, the inner and outer insulating rings each defining a boundary surface in an axial direction, the boundary surfaces of the rings being placed in close proximity, and the conductors with their contact surfaces at or near the boundary surface.

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