

Title (en)
ROTARY ELECTRICAL CONDUCTOR

Title (de)
ROTIERENDER ELEKTRISCHER LEITER

Title (fr)
CONDUCTEUR ÉLECTRIQUE ROTATIF

Publication
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Application
EP 19167901 A 20150831

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• NL 2015050602 W 20150831

Abstract (en)
The invention relates to Rotary conductor (1,20) comprising a first and second circular bodies (3,22,23) with metal contact surfaces that engage in rolling contact. The metals of the contact surfaces have a predetermined hardness and a corresponding yield pressure, a contact pressure between the contact surfaces being greater or equal to at least 10%, preferably at least 15% of the yield pressure of the contact surface metal having the lowest hardness. High currents can be transferred between the rolling conductors as well as electrical signals at rates above 1Gb/s.

IPC 8 full level
H01R 39/64 (2006.01)

CPC (source: EP)
H01R 39/643 (2013.01)

Citation (applicant)
US 5501604 A 19960326 - ROOPNARINE [US], et al

Citation (search report)
• [IY] GB 1591550 A 19810624 - SPERRY CORP
• [Y] US 5117346 A 19920526 - GARD INGE [SE]
• [I] US 5501604 A 19960326 - ROOPNARINE [US], et al
• [A] WO 03019735 A1 20030306 - AMC [FR], et al
• [A] WO 03100919 A1 20031204 - BOSCH GMBH ROBERT [DE], et al
• [A] US 2002034887 A1 20020321 - DOLLHOFER KURT [DE], et al
• [A] EP 0711929 A1 19960515 - SKF ENG & RES CENTRE BV [NL]

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