

Title (en)  
ROTARY ELECTRICAL CONDUCTOR

Title (de)  
ROTIERENDER ELEKTRISCHER LEITER

Title (fr)  
CONDUCTEUR ÉLECTRIQUE ROTATIF

Publication  
**EP 3525298 A1 20190814 (EN)**

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]

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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