

Title (en)  
ROTARY ELECTRICAL CONDUCTOR.

Title (de)  
ELEKTRISCHER DREHLEITER

Title (fr)  
CONDUCTEUR ÉLECTRIQUE ROTATIF

Publication  
**EP 3195423 B1 20190410 (EN)**

Application  
**EP 15781446 A 20150831**

Priority  
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• NL 2015050602 W 20150831

Abstract (en)  
[origin: WO2016032336A1] 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 1 Gb/s.

IPC 8 full level  
**H01R 39/64** (2006.01)

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

Citation (examination)  
WO 0201682 A1 20020103 - DAMCO LTD [CN], et al

Cited by  
EP4283800A1; WO2023227951A1

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DOCDB simple family (publication)  
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