

Title (en)

Rotable electrical contact connection

Title (de)

Drehbare elektrische Kontaktverbindung

Title (fr)

Connexion rotative à contact électrique

Publication

**EP 0692844 A1 19960117 (EN)**

Application

**EP 95110789 A 19950711**

Priority

SE 9402452 A 19940712

Abstract (en)

Rotatable electrical contact connection between two conductors which are rotatable relative to each other, one of said conductors consisting of a contact pin (11) and the other of a contact sleeve (10) arranged concentrically around the contact pin. The internal diameter of the contact sleeve is larger than the external diameter of the contact pin, such that between the pin and the sleeve an annular gap (12) is formed, in which a number of elongated, relatively narrow contact rollers (13), oriented parallel to the longitudinal axis of the pin, are evenly distributed around the periphery of the pin. According to the invention, the contact pin and the contact sleeve are formed with radially outwardly projecting annular elevations (14) and radially inwardly projecting annular elevations (15), respectively, in such a way that the contact rollers (13) are strained in wave form between the pin and the sleeve, thus providing the necessary contact force at the contact points. <MATH>

IPC 1-7

**H01R 13/187**; **H01R 39/64**; **H01R 15/00**; **H01H 1/16**

IPC 8 full level

**H01R 35/04** (2006.01); **H01R 39/64** (2006.01)

CPC (source: EP)

**H01R 35/04** (2013.01); **H01R 39/64** (2013.01)

Citation (search report)

- [A] US 4786262 A 19881122 - MOLITOR PAUL-RAINER [DE], et al
- [A] US 5036583 A 19910806 - PROCHASKA WALTER [DE], et al
- [A] SE 406132 B 19790122 - SPRECHER & SCHUH AG [CH]

Designated contracting state (EPC)

CH DE FR GB IT LI NL

DOCDB simple family (publication)

**EP 0692844 A1 19960117**; **EP 0692844 B1 19990512**; DE 69509592 D1 19990617; DE 69509592 T2 19991118; SE 503599 C2 19960715; SE 9402452 D0 19940712; SE 9402452 L 19960113

DOCDB simple family (application)

**EP 95110789 A 19950711**; DE 69509592 T 19950711; SE 9402452 A 19940712