

Title (en)
Adjustable electrical connection device for telescopic vacuum cleaner hose

Title (de)
Verstellbare Stromübertragungseinrichtung für ein Staubsaugerteleskoprohr

Title (fr)
Dispositif réglable de connexion électrique pour tuyau télescopique d'aspirateur

Publication
EP 0835632 A3 19990707 (DE)

Application
EP 97112695 A 19970723

Priority
• DE 19632624 A 19960813
• DE 19638976 A 19960923

Abstract (en)
[origin: EP0835632A2] The arrangement comprises at least two hollow tube parts which are inserted into each other and mechanically coupled to sections of the telescopic tube. The tube parts include electric connector devices at ends which oppose each other. The electric connectors are connected to each other over an electric conductor which is arranged in the interior of the tube parts. A section of the electric conductor in the interior of the tube part which is stationary w.r.t. to the other tube part, is arranged as a coil. Elastic clamp parts are pref. formed in the tube part with the coiled conductor to prevent tensions on the conductor, whereby one clamp part is arranged at the end of the connector, and the other end is arranged at the end of the moving tube part, where the conductor is inserted.

IPC 1-7
A47L 9/24; **A47L 9/28**

IPC 8 full level
A47L 9/24 (2006.01); **A47L 9/28** (2006.01)

CPC (source: EP)
A47L 9/244 (2013.01); **A47L 9/246** (2013.01)

Citation (search report)
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• [XA] EP 0664988 A1 19950802 - AEG HAUSGERAETE GMBH [DE]
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• [A] US 3177460 A 19650406 - DOWNEY DAVID F
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• [PX] PATENT ABSTRACTS OF JAPAN vol. 097, no. 004 30 April 1997 (1997-04-30)

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Designated contracting state (EPC)
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EP 0835632 A2 19980415; **EP 0835632 A3 19990707**; **EP 0835632 B1 20040526**; DE 59711660 D1 20040701; ES 2221943 T3 20050116

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