

Title (en)
Vacuum cleaner hose with electrical conductors

Title (de)
Staubsaugerschlauch mit elektrischen Leitern

Title (fr)
Tuyau d'aspirateur muni de conducteurs électriques

Publication
EP 1072220 A3 20031217 (DE)

Application
EP 00115052 A 20000726

Priority
DE 29912640 U 19990726

Abstract (en)
[origin: EP1072220A2] The vacuum cleaner tube has conductors arranged in a protective sleeve attached to its inner surface, and a one-piece slip ring carrier (5). A threaded track is arranged on the inside of an intermediate sleeve with an access slot that aligns with an axial slot in an end bush and a slot (5a) in the slip ring carrier when in a defined position. The slip ring carrier has openings (5c) for engagement with latching protrusions on the end bush.

IPC 1-7
A47L 9/24; F16L 11/118

IPC 8 full level
A47L 9/24 (2006.01)

CPC (source: EP US)
A47L 9/246 (2013.01 - EP US)

Citation (search report)

- [DA] EP 0884019 A1 19981216 - TRUPLAST KUNSTSTOFFTECHNIK [DE]
- [A] WO 9625083 A1 19960822 - PHILIPS ELECTRONICS NV [NL], et al
- [A] WO 9817936 A1 19980430 - PLASTIFLEX EUROP N V [BE], et al
- [A] EP 0738492 A1 19961023 - MATSUSHITA ELECTRIC IND CO LTD [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07 31 July 1997 (1997-07-31)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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US 6353178 B1 20020305; AT E315353 T1 20060215; DE 29912640 U1 19991028; DE 50012042 D1 20060406; EP 1072220 A2 20010131; EP 1072220 A3 20031217; EP 1072220 B1 20060111; ES 2255472 T3 20060701

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