

Title (en)

Vacuum cleaner pipe with electrical conductors

Title (de)

Staubsaugerschlauch mit elektrischen Leitern

Title (fr)

Tuyau d'aspirateur comportant des conducteurs électriques

Publication

EP 0884019 B1 19991222 (DE)

Application

EP 98108218 A 19980506

Priority

DE 29709996 U 19970609

Abstract (en)

[origin: EP0884019A1] The hose has a carrier at one end, in which an end bush (5) is inserted, and is made of the same material as the carrier. The carrier consists of a bushing (2a) equipped with at least one slip (3) and a sleeve (2b) arranged in front of the bushing. The sleeve carries two further slip rings (3) and has a continuous slot (6). At one side it is connected form-locked with the bushing and on the other side form-locked with the end bush (5). One thread (7) is formed at the inner surface of the sleeve, which forms a counter thread for the corrugations (1a, 1b) of the hose (1). The ends of the electric leads (4) arranged in a protective sleeve (8) in the hose, guide firstly in the axial slot, and then to the inner side of the free lying slip rings.

IPC 1-7

A47L 9/24

IPC 8 full level

A47L 9/24 (2006.01)

CPC (source: EP)

A47L 9/246 (2013.01)

Cited by

DE102007036341B4; EP1072220A3; DE102007036341A1; US8099830B2; EP2025280A2; DE102021003907A1; WO2023007001A1

Designated contracting state (EPC)

DE ES FR GB IT NL SE

DOCDB simple family (publication)

DE 29709996 U1 19970821; DE 59800071 D1 20000127; EP 0884019 A1 19981216; EP 0884019 B1 19991222; ES 2140984 T3 20000301

DOCDB simple family (application)

DE 29709996 U 19970609; DE 59800071 T 19980506; EP 98108218 A 19980506; ES 98108218 T 19980506