

Title (en)
Telescopic vacuum cleaner suction hose

Title (de)
Teleskopierbares Staubsauger-Saugrohr

Title (fr)
Tube d'aspiration télescopique pour aspirateur

Publication
EP 0858762 B1 20010228 (DE)

Application
EP 97123023 A 19971231

Priority
• DE 19705545 A 19970214
• DE 19722195 A 19970527

Abstract (en)
[origin: US5941575A] A telescoping vacuum-cleaner pipe assembly has a guide sleeve on an outer pipe which cooperates with an actuating sleeve displaceable against the force of a ring spring on the guide sleeve to lock and unlock a detent engageable in recesses on an inner pipe. The ring spring is held between the actuating sleeve and an annular cap locking into the actuating sleeve.

IPC 1-7
A47L 9/24

IPC 8 full level
A47L 9/02 (2006.01); **A47L 9/24** (2006.01)

CPC (source: EP KR US)
A47L 9/24 (2013.01 - KR); **A47L 9/244** (2013.01 - EP US)

Cited by
US6634674B1; US6612617B2

Designated contracting state (EPC)
AT BE CH DK ES FI FR GB IT LI NL SE

DOCDB simple family (publication)
US 5941575 A 19990824; AT E199305 T1 20010315; CA 2226373 A1 19980814; CA 2226373 C 20000718; CN 1105544 C 20030416; CN 1193502 A 19980923; CZ 291003 B6 20021113; CZ 3098 A3 19991117; DE 19738194 C1 19980610; DE 59703053 D1 20010405; DK 0858762 T3 20010326; EE 03626 B1 20020215; EE 9800005 A 19980817; EP 0858762 A1 19980819; EP 0858762 B1 20010228; ES 2155650 T3 20010516; HK 1014853 A1 19991008; HU 220546 B1 20020328; HU 9800312 D0 19980428; HU P9800312 A2 19980828; HU P9800312 A3 20000328; JP 3254577 B2 20020212; JP H10225405 A 19980825; KR 100249741 B1 20000501; KR 19980070985 A 19981026; NO 313905 B1 20021223; NO 980037 D0 19980105; NO 980037 L 19980817; PL 185660 B1 20030630; PL 324372 A1 19980817; RU 2140762 C1 19991110; SK 1998 A3 19990111; SK 284221 B6 20041103; UA 39905 C2 20010716

DOCDB simple family (application)
US 1294598 A 19980123; AT 97123023 T 19971231; CA 2226373 A 19980211; CN 98103742 A 19980212; CZ 3098 A 19980107; DE 19738194 A 19970902; DE 59703053 T 19971231; DK 97123023 T 19971231; EE P9800005 A 19980106; EP 97123023 A 19971231; ES 97123023 T 19971231; HK 99100186 A 19990114; HU P9800312 A 19980213; JP 5120198 A 19980128; KR 19980002754 A 19980202; NO 980037 A 19980105; PL 32437298 A 19980120; RU 98102133 A 19980204; SK 1998 A 19980105; UA 98020729 A 19980212