

Title (en)  
Telescopic suction cleaner pipe

Title (de)  
Teleskopierbares Staubsauger-Saugrohr

Title (fr)  
Tuyau d'aspirateur télescopique

Publication  
**EP 0998871 B1 20040804 (DE)**

Application  
**EP 99120504 A 19991015**

Priority  
DE 19850355 A 19981102

Abstract (en)  
[origin: EP0998871A1] The telescopic suction hose has a plastic sealing sleeve (13) between the inner end (11) of the inner telescopic hose (10) and the inside of the outer telescopic hose (20), having a material thickness which is not greater than the play (Z) between the inner and outer telescopic hoses and provided with a sealing lip (14) spring-biased into contact with the inside wall of the outer telescopic hose. The sealing sleeve has an opening (23) receiving a retaining projection (22) projecting radially outwards from the wall of the inner telescopic hose.

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

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

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

Cited by  
DE102006030138B3; EP2277427A3; AU2008290430B2; AU2008290430C1; GB2452044A; US8708373B2; EP2277427A2

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

DOCDB simple family (publication)  
**EP 0998871 A1 20000510; EP 0998871 B1 20040804**; AT E272352 T1 20040815; CZ 295210 B6 20050615; CZ 9903691 A3 20001213; DE 19850355 A1 20000511; DE 59910120 D1 20040909; DK 0998871 T3 20041115; EE 03946 B1 20030217; EE 9900458 A 20000615; ES 2226260 T3 20050316; HK 1028172 A1 20010209; HK 1038487 A1 20020322; HU 9903847 D0 19991228; HU P9903847 A2 20000928; HU P9903847 A3 20020528; JP 2000185001 A 20000704; JP 4048261 B2 20080220; KR 100452577 B1 20041014; KR 20000035094 A 20000626; NO 995321 D0 19991101; NO 995321 L 20000503; PL 191252 B1 20060428; PL 336338 A1 20000508; RU 2161900 C1 20010120; SK 144899 A3 20000516; UA 52741 C2 20030115

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