

Title (en)  
Vacuum cleaning appliances.

Title (de)  
Saugreinigungsverfahren.

Title (fr)  
Appareils pour nettoyage sous pression.

Publication  
**EP 0037674 A1 19811014 (EN)**

Application  
**EP 81301255 A 19810324**

Priority  
• GB 8010098 A 19800326  
• US 14049780 A 19800415

Abstract (en)  
This invention relates to a vacuum cleaning appliance which is convertible to act both as an upright type cleaner or cylinder type cleaner. The main air passageway (48,51) through the appliance includes a motor-driven suction fan unit (64, 65) and a valve device (85) which is operable to connect the passageway (48) either with an air inlet in a carpet engaging section (17) or with an air inlet in a socket (82) for receiving a cleaner head in the form of a hollow pipe (19) which is connected with the socket (82) by a flexible hose (21). The pipe (19) slides telescopically within the flexible hose (21) so as to engage within the socket (82) and to act as a handle (20). When located in the socket (82) the pipe (19) operates the valve device (85) to connect the air passageway (48) with the carpet engaging section (17).

IPC 1-7  
**A47L 9/32**; **A47L 9/00**; **A47L 9/08**

IPC 8 full level  
**A47L 9/08** (2006.01); **A47L 9/32** (2006.01)

CPC (source: EP)  
**A47L 9/08** (2013.01); **A47L 9/322** (2013.01)

Citation (search report)  
• US 4155143 A 19790522 - GARBE HEINZ-SIEGFRIED [US]  
• DE 1703186 A1 19710408 - WITTERN EMIL  
• FR 2300535 A1 19760910 - DUPOYET GUY [FR]

Cited by  
EP0134654A1; US6572078B1; EP4056088A1; GB2357691A; GB2357691B; GB2360961B; GB2360961A; GB2455227B; GB2455227A; US6581239B1; DE102012208685A1; US7891050B2; WO0036965A1; WO0021425A1; WO0021426A1; WO0036968A1; WO0021427A1; WO8500277A1; WO8607247A1; US8327504B2; US7870637B2; US6607572B2; US6994740B2; US6605156B1; US8225457B2; US8240003B2; US8720002B2; WO2008017803A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0037674 A1 19811014**; **EP 0037674 B1 19850807**; CA 1162362 A 19840221; DE 3171655 D1 19850912; DK 137581 A 19810927; ES 501170 A0 19820701; ES 8205550 A1 19820701; HK 82386 A 19861107; MY 8700109 A 19871231; NO 152772 B 19850812; NO 152772 C 19851120; NO 811013 L 19810928

DOCDB simple family (application)  
**EP 81301255 A 19810324**; CA 373856 A 19810325; DE 3171655 T 19810324; DK 137581 A 19810326; ES 501170 A 19810325; HK 82386 A 19861030; MY 8700109 A 19871230; NO 811013 A 19810325