

Title (en)  
Floor nozzle for a suction cleaner

Title (de)  
Bodendüse für Staubsauger

Title (fr)  
Buse de sol pour aspirateur de poussières

Publication  
**EP 1330978 A3 20050202 (DE)**

Application  
**EP 02028965 A 20021224**

Priority  
DE 20201186 U 20020125

Abstract (en)  
[origin: EP1330978A2] The nozzle has a suction head (1) with a suction channel (4), which runs into a suction opening (3). Rollers (7) are arranged at the back end of the suction channel and a vertically adjustable carrier (8) is provided within the suction head. A seal strip (9) is arranged at the carrier, which has a working surface (10) for non-carpet floors. The front seal strip and the back working surface can be extended, so that the rollers do not have any contact with the floor when cleaning a floor without a carpet and the suction head is supported onto the working surface and the seal strip.

IPC 1-7  
**A47L 9/06**

IPC 8 full level  
**A47L 9/06** (2006.01)

CPC (source: EP)  
**A47L 9/06** (2013.01); **A47L 9/0613** (2013.01); **A47L 9/0653** (2013.01)

Citation (search report)

- [XP] EP 1238620 A1 20020911 - MILLET MARIUS [FR]
- [XY] US 4638526 A 19870127 - MURATA YOSHITAKA [JP], et al
- [XY] DE 8416370 U1 19860116
- [Y] EP 1020159 A2 20000719 - WESSEL WERK GMBH [DE]
- [A] FR 2547191 A1 19841214 - VORWERK CO INTERHOLDING [DE]
- [A] DE 19624360 A1 19980102 - WESSEL WERK GMBH [DE]

Cited by  
GB2469458A; GB2469458B; US8474094B2; US8732903B2; WO2007025877A3; US8707514B2; US8555462B2; US9408518B2; US8910340B2; US9468347B2; US9661968B2

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