

Title (en)
Nozzle for a suction cleaner

Title (de)
Düse für einen Staubsauger

Title (fr)
Buse pour aspirateur

Publication
EP 1214902 A3 20041229 (DE)

Application
EP 01129197 A 20011210

Priority
• DE 10062058 A 20001213
• DE 10103849 A 20010130
• DE 10127174 A 20010528
• DE 10144129 A 20010908

Abstract (en)
[origin: EP1214902A2] The nozzle (2) is provided with a suction duct (7), which extending from the connection stub (6) through the nozzle body (5) opens out in the nozzle head (4). The nozzle head is designed swivelable relative to the nozzle body. The swiveling ability is achieved with a joint (12) having a vertical joint axis (Z).

IPC 1-7
A47L 9/02

IPC 8 full level
A47L 9/02 (2006.01)

CPC (source: EP KR)
A47L 9/02 (2013.01 - EP KR)

Citation (search report)
• [XP] EP 1110496 A1 20010627 - WESSEL WERK GMBH [DE]
• [AP] US 2001042285 A1 20011122 - SEON CHANG-WOO [KR], et al
• [AP] WO 0189356 A1 20011129 - KONINKL PHILIPS ELECTRONICS NV [NL]
• [A] US 6065183 A 20000523 - HAMMEKEN NILS PREBEN [DK], et al
• [A] PATENT ABSTRACTS OF JAPAN vol. 0142, no. 80 (C - 0729) 18 June 1990 (1990-06-18)

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

DOCDB simple family (publication)
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EP 01129197 A 20011210; AT 01129197 T 20011210; CN 01145740 A 20011213; DE 50110028 T 20011210; ES 01129197 T 20011210; HK 02108817 A 20021204; JP 2001376708 A 20011211; KR 20010078847 A 20011213