

Title (en)
Triple function nozzle for vacuum cleaner

Title (de)
Dreizweck-Staubsaugerdüse

Title (fr)
Suceur à triple fonction pour aspirateur

Publication
EP 0818173 B1 20030502 (DE)

Application
EP 97110193 A 19970621

Priority
DE 19628070 A 19960712

Abstract (en)
[origin: EP0818173A2] The nozzle is for dry-cleaning carpets and floors as well as wet-cleaning floors has a suction head (2) with a lower plate (3) that has a channel-shaped mouth (4) and is equipped with thread lifters for carpets. In the head is a holder (8) that can be raised or lowered with a flexible rubber lip (9). At the rear is at least one roller (7). The lip can be brought out for cleaning floors by the lowering of the holder and it lies on the floor. It is in front of the mouth. Beside it are support rollers which, with the main roller(s), set the distance of the head from the floor. Behind the mouth is a flexible rubber scraper (9).

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)

Cited by
EP2449935A1; CN107242837A; CN106037582A; GB2528145A; GB2479530A; GB2479530B

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 0818173 A2 19980114; EP 0818173 A3 19990512; EP 0818173 B1 20030502; DE 19628070 A1 19980115; DE 19628070 C2 19990520; DE 59709947 D1 20030605

DOCDB simple family (application)
EP 97110193 A 19970621; DE 19628070 A 19960712; DE 59709947 T 19970621