

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)  
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