

Title (en)  
One piece vacuum cleaner nozzle

Title (de)  
Einteilige Staubsaugerdüse

Title (fr)  
Buse en une pièce pour aspirateur

Publication  
**EP 0611544 B1 19980401 (DE)**

Application  
**EP 94101998 A 19940209**

Priority  
DE 4304681 A 19930216

Abstract (en)  
[origin: US5564161A] The vacuum cleaner nozzle of the present invention has a nozzle body with a suction pipe connecting piece and a bottom plate which closes off the nozzle body towards the bottom, whereby the bottom plate is provided with at least one flow channel open towards the bottom to allow air to flow into a suction channel centrally connected to the suction pipe connecting piece, said nozzle body being provided with sealing or closing elements which surrounds the flow channel at least in part. The nozzle body and the bottom plate are made in the form of a one-piece supporting base into which the flow channel or the flow channels and the suction channel are directly molded. The sealing or closing elements in the form of bristle strips and/or sealing lips are molded directly into the bottom plate and/or are pressed, injected or glued into it. This design reduces the number of components of the vacuum cleaner nozzle considerably so that a significant simplification is achieved with respect to manufacture and assembly.

IPC 1-7  
**A47L 9/02**; **A47L 9/06**

IPC 8 full level  
**A47L 9/02** (2006.01); **A47L 9/06** (2006.01)

CPC (source: EP US)  
**A47L 9/06** (2013.01 - EP US); **A47L 9/0613** (2013.01 - EP US); **A47L 9/0626** (2013.01 - EP US)

Cited by  
US5638572A; DE102016107942A1; DE202013105095U1; DE102017119546A1; WO9622724A1; WO9622725A1; EP0688529B1

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