

Title (en)  
ROTARY NOZZLE FOR A HIGH-PRESSURE CLEANING APPARATUS

Title (de)  
ROTORDÜSE FÜR EIN HOCHDRUCKREINIGUNGSGERÄT

Title (fr)  
AJUTAGE MOBILE POUR APPAREIL DE NETTOYAGE SOUS PRESSION

Publication  
**EP 0915739 A1 19990519 (DE)**

Application  
**EP 97936691 A 19970807**

Priority  
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• EP 9704312 W 19970807

Abstract (en)  
[origin: US6029906A] A rotary nozzle for a high-pressure cleaning apparatus has a housing into which a feed line for a cleaning fluid issues, an outlet provided in the housing for expelling the cleaning fluid, a nozzle body through which the cleaning fluid flows, and a bearing that surrounds the outlet. The nozzle body is disposed in the housing, and is supported at its convex end in the bearing. The bearing is formed directly in an inner wall of the housing as a conically-shaped depression to avoid the need for a separate bearing insert, thereby simplifying the manufacturing process. Additionally, the conical shape of the bearing cooperates with the convex shape of the nozzle body to provide optimal sealing with a reduced contact surface for a long service life. The bearing is disposed concentrically relatively to the outlet. The nozzle body is set by the flow of cleaning fluid through the housing in a revolving movement in which a longitudinal axis of the nozzle body revolves on a generated cone.

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**B05B 3/04**

IPC 8 full level  
**B05B 3/04** (2006.01)

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