

Title (en)  
ROTOR NOZZLE FOR A HIGH-PRESSURE CLEANING DEVICE

Publication  
**EP 0252261 B1 19920115 (DE)**

Application  
**EP 87107456 A 19870522**

Priority  
DE 3623368 A 19860711

Abstract (en)  
[origin: US4802628A] A rotor nozzle for a high pressure cleaning apparatus has a rotor mounted to rotate within a housing driven by the flow of cleaning fluid with a fixed axis of rotation along the longitudinal axis of the housing. A nozzle mounted in an elongated member is captured between a driven portion of the rotor and a cup-like member open at its center and defining an exit orifice of the housing. The end of the nozzle assembly captured in the cup-like member preferably has a ball-shaped end to maintain a good seal. The point of connection of the driver to elongate member is radially offset with respect to the rotor axis of rotation to angle the exit axis of the nozzle at an acute angle with respect to the axis of rotation of the rotor. In an alternative form, the rotor includes counterweights that move radially outward against a spring force to provide an automatic adjustability of the exit angle as a function of the supply of the cleaning liquid.

IPC 1-7  
**B08B 3/02**

IPC 8 full level  
**B05B 3/02** (2006.01); **B05B 3/04** (2006.01); **B08B 3/02** (2006.01)

CPC (source: EP US)  
**B05B 3/0463** (2013.01 - EP US)

Cited by  
EP0548408A1; DE29708394U1; EP0563595A1; US5395053A; DE3902478C1; CN104379264A; US5941458A; EP0372182A3; US5217166A; US8820659B2; EP0865827A2; WO9304785A1; WO9004468A3

Designated contracting state (EPC)  
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)  
**US 4802628 A 19890207**; AT E71564 T1 19920215; DE 3623368 C1 19870917; DE 3623368 C2 19931202; DE 3776008 D1 19920227; DK 173979 B1 20020325; DK 358487 A 19880112; DK 358487 D0 19870710; EP 0252261 A2 19880113; EP 0252261 A3 19890301; EP 0252261 B1 19920115; ES 2029672 T3 19920901; GR 3004015 T3 19930331; JP H0442068 B2 19920710; JP S6320055 A 19880127

DOCDB simple family (application)  
**US 7119387 A 19870709**; AT 87107456 T 19870522; DE 3623368 A 19860711; DE 3776008 T 19870522; DK 358487 A 19870710; EP 87107456 A 19870522; ES 87107456 T 19870522; GR 920400404 T 19920311; JP 16711487 A 19870706