

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.

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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

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