

Title (en)  
Rotor nozzle

Title (de)  
Rotordüse

Title (fr)  
Buse à rotor

Publication  
**EP 0891816 A3 20000531 (DE)**

Application  
**EP 98112490 A 19980706**

Priority  
DE 19730339 A 19970715

Abstract (en)  
[origin: EP0891816A2] The nozzle has a rotating jet (8) which is mounted in a holder (7), and enclosed in a housing (1). The nose of the jet is spherical and engages with, and rotates in, a cupped spherical seat (9) in the housing. The upstream end of the jet holder travels in a circular orbit around a conical guide peg (18). The jet holder has an elastically sleeve (21) made of plastics material, which slides over the holder (7), and has an internal ridge (24) which sits in a groove (25) in the holder and is retained by an O-ring (26). Part of the length (22) of the sleeve bears against the inner wall (23) of the housing. There are longitudinal grooves in the outer surface of the sleeve or the inner surface of the housing, and, in the contact zone, the inner wall of the housing is longitudinally ribbed. Alternatively, the jet holder can carry a spur gear which engages with an internal gear ring in the housing.

IPC 1-7  
**B05B 3/04**

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

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

Citation (search report)

- [X] DE 9108507 U1 19911107
- [A] US 4989786 A 19910205 - KRAENZLE JOSEF [DE], et al
- [AD] DE 4433646 A1 19950330 - JAEGER ANTON [DE]
- [A] DE 4419404 A1 19951207 - JAEGER ANTON [DE]

Cited by  
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