

Title (en)
Nozzle for ring jet pump.

Title (de)
Düse für eine Ringstrahlpumpe.

Title (fr)
Buse pour pompe à jet annulaire.

Publication
EP 0044494 A1 19820127 (EN)

Application
EP 81105431 A 19810713

Priority
ZA 804329 A 19800717

Abstract (en)
The variable geometry nozzle has outer and inner boundaries of an annular nozzle passage defined respectively by flaring surface formed internally in a female element (26) and a tapering surface formed externally on a male element (22) located within the female element (26) The element (22) is adjustable axially relative to element (26) from a first position to a second position to increase the cross-sectional area of the throat of said nozzle passageway progressively, said boundaries being shaped to diverge from the throat to the exit when the male element (22) is in the first position and to be parallel when the male (22) element is in the second position.

IPC 1-7
F04F 5/48; **F04F 5/46**

IPC 8 full level
B65G 53/04 (2006.01); **F04F 5/46** (2006.01); **F04F 5/48** (2006.01)

CPC (source: EP)
F04F 5/461 (2013.01); **F04F 5/48** (2013.01)

Citation (search report)
• US 2399249 A 19460430 - PERIGNAT JOSEPH M
• US 1421845 A 19220704 - SCHMIDT HENRY F

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