

Title (en)

Inlet shut-off valve for rotary piston vacuum pump.

Title (de)

Einlass-Absperrventil für Drehkolbenvakuumpumpen.

Title (fr)

Soupape d'arrêt pour l'entrée des pompes à piston rotatif à vide.

Publication

EP 0519880 A1 19921223 (EN)

Application

EP 92830312 A 19920617

Priority

IT FI910143 A 19910617

Abstract (en)

Rotary vacuum pump with a pressurized hydraulic circuit for lubrication and with a shut-off valve (15) for isolation between the vacuum environment (A) and the vacuum pump (1) when the pump is stopped; as a result of this stoppage and of the consequent pressure drop in the hydraulic circuit (29), an actuator (27) with a cylinder and piston (31, 33) is brought into operation and acts on a shaft (17) to lower a radial arm (25) against the action of a spring (37) which tends to move the shut-off valve (15) to the closed position. <IMAGE>

IPC 1-7

F04C 29/10

IPC 8 full level

F04C 28/24 (2006.01); **F04C 25/00** (2006.01)

IPC 8 main group level

F04B (2006.01)

CPC (source: EP KR)

F04C 18/34 (2013.01 - KR); **F04C 28/24** (2013.01 - EP)

Citation (search report)

- [X] EP 0163228 A2 19851204 - GEN SIGNAL CORP [US]
- [A] GB 455003 A 19361012 - BRITISH THOMSON HOUSTON CO LTD
- [A] EP 0277924 A2 19880810 - GALILEO SPA OFF [IT]
- [A] GB 1195361 A 19700617 - N G N LTD

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0519880 A1 19921223; IT 1246969 B 19941201; IT FI910143 A0 19910617; IT FI910143 A1 19921217; JP H0681787 A 19940322; KR 930000838 A 19930115

DOCDB simple family (application)

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