

Title (en)

Rotary fluid switching device.

Title (de)

Rotierender Fluidumschalter.

Title (fr)

Dispositif rotatif de commutation de fluide.

Publication

EP 0234134 A1 19870902 (EN)

Application

EP 86400387 A 19860224

Priority

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Abstract (en)

A rotary fluid switching device mounted between the pintle (14) and the cylinder barrel of a rotary fluid energy converter has first and second valve surfaces which are in sliding contact with each other. The first surface has openings (27, 37) for supply and discharge of fluid. Cylinder ports (23) are circumferentially spaced from one another on the second surface. As the two surfaces are rotated relatively to each other, the openings (27, 37) periodically establish and interrupt communication with the cylinder ports (23). Two notches (52, 53) extend from each end of the openings (27, 37) and are located off the line (23a) along which each center of the cylinder ports travels in operation.

IPC 1-7

F04B 1/10; **F04B 1/04**; **F04B 1/20**

IPC 8 full level

F04B 1/04 (2006.01); **F04B 1/107** (2006.01); **F04B 1/20** (2006.01)

CPC (source: EP)

F03C 1/0636 (2013.01); **F03C 1/0657** (2013.01); **F04B 1/20** (2013.01); **F04B 1/205** (2013.01)

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