

Title (en)

Rotary-vane type fluid machine.

Title (de)

Drehkolbenflügelzellenmaschine.

Title (fr)

Machine rotative à fluide du type à palettes.

Publication

EP 0149471 A2 19850724 (EN)

Application

EP 85100187 A 19850110

Priority

JP 330484 A 19840111

Abstract (en)

A rotary-vane type fluid machine is constructed such that a rotor (1) is caused to rotate within a casing (2) to increase or decrease the volume of a space created between the outer periphery of the rotor (1) and the inner wall surface of the casing (2) by vane structures (8) which rotate together with the rotor (1) to thereby transfer a fluid by pressure in accordance with the variation in volume of said space. The vane structure (8) has two vanes disposed in substantially symmetrical relationship with respect to a shaft (6) of the rotor and fixed so that they can not move relative to each other. The fluid machine also comprises a crank mechanism (3, 4, 3a, 4a) which causes the vane structure (8) to radially advance or retreat in order to reciprocally vary a distance between a center of the shaft (6) and a tip end (7) of one vane and a distance between the center of the shaft (6) and a tip end (7) of the other vane in accordance with the rotation of the rotor (1).

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IPC 8 full level

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CPC (source: EP KR)

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Cited by

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