

Title (en)
Vane-type fluid machine

Title (de)
Drehkolbenflügelzellenmaschine

Title (fr)
Machine rotative à fluide du type à palettes

Publication
EP 0933532 A3 20000920 (EN)

Application
EP 99101550 A 19990201

Priority

- JP 5877398 A 19980202
- JP 22513098 A 19980702
- JP 26388998 A 19980812
- JP 29599098 A 19980909
- JP 34095998 A 19981023

Abstract (en)
[origin: EP0933532A2] A vane-type fluid machine capable of mechanically moving a vane and of producing a high compression ratio is provided, which includes: a casing having a contacting-surface circular arc on an inner periphery thereof; a rotor eccentrically fitted in the casing with a predetermined eccentricity, having a diameter to form a sealing surface with respect to the contacting-surface circular arc for keeping seal between a suction side and a discharge side and the rotor, and having a rotor discharging groove on an outer surface thereof; a vane slidably inserted in a rotor groove formed on the rotor; and a drive shaft inserted in a boss portion of the rotor concentrically with the rotor, wherein, with rotation of the rotor, fluid is sucked into a space formed in the casing and simultaneously fluid in another space formed in the casing is compressed, while being discharged from a discharge hole provided on the contacting-surface circular arc through the rotor discharging groove. <IMAGE>

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F04C 18/344

IPC 8 full level
F01C 21/10 (2006.01); **F04C 18/344** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP KR)
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F04C 2250/301 (2013.01 - EP)

Citation (search report)

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