

Title (en)
Vane-type fluid machine

Title (de)
Drehkolbenflügelzellenmaschine

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

Publication
EP 0933532 A2 19990804 (EN)

Application
EP 99101550 A 19990201

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• JP 34095998 A 19981023

Abstract (en)
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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CPC (source: EP KR)
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Cited by
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DE102004034922B4; CN106536855A; US7588432B2; DE102004034920B3; CN100376796C; US7393090B2; EP1582745A3; EP2587064A1;
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