

Title (en)
VANE PUMP

Title (de)
FLÜGELZELLENPUMPE

Title (fr)
POMPE A PALETTES

Publication
EP 1857679 A1 20071121 (EN)

Application
EP 06728664 A 20060306

Priority
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• JP 2005063960 A 20050308

Abstract (en)
A vane pump 100 that is provided with, inside a case, a cam ring 18, a rotor 19 that is disposed inside this cam ring 18 so as to be freely rotatable, a plurality of vanes 20 that is accommodated in each of a plurality of vane grooves that is radially formed in this rotor 19 and slides along the cam surface of the cam ring 18 accompanying the rotation of the rotor 19, and a front combination side plate 3a and a rear combination side plate 7a that are disposed on opposite sides of the rotor 19 and the vanes 20. In the vane pump 100, the front combination side plate 3a is a combination side plate formed by a first front plate 1a and a second front plate 2a, the rear combination side plate 7a is a combination side plate formed by a first rear plate 5a and a second rear plate 6a, and the front combination side plate 3 a and the rear combination side plate 7a have an identical rigidity and are symmetrically disposed with respect to the rotor 19.

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