

Title (en)
Vane Compressor

Title (de)
Flügelzellenverdichter

Title (fr)
Compresseur à palettes

Publication
EP 0838594 A1 19980429 (EN)

Application
EP 97308426 A 19971022

Priority
JP 29807396 A 19961022

Abstract (en)
A vane compressor which is capable of preventing degradation of the sliding characteristics of its rotor (2) due to tolerances of the rotor (2) and parts associated therewith, and at the same time reducing the manufacturing costs and weights of the compressor. The vane compressor includes a cam ring (1), a rotor (2) rotatably received in the cam ring (1), a plurality of vane slits (13) formed in the rotor (2), vanes (14) slidably received in respective ones of the vane slits (13), and side members (3, 6) secured to respective end faces of the cam ring (1), at least the rotor (2) and the side members (3, 6) being formed of an aluminium-based material. A spacer (70) of annular shape is arranged between at least one of the end faces of the rotor (2) and a rotor-side end face of a corresponding one of the side members (3, 6). The spacer (70) is formed of a material which is harder than the aluminium-based material and smaller in outer diameter than an outer diameter of the rotor (2). <IMAGE>

IPC 1-7
F04C 18/344

IPC 8 full level
F04C 18/344 (2006.01)

CPC (source: EP)
F01C 21/108 (2013.01); **F04C 18/3446** (2013.01); **F04C 2240/801** (2013.01)

Citation (applicant)
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Citation (search report)
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• [DA] PATENT ABSTRACTS OF JAPAN vol. 6, no. 256 (M - 179)<1134> 15 December 1982 (1982-12-15)
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DE FR

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