

Title (en)
DRY ROTARY VANE COMPRESSOR

Publication
EP 0465807 A3 19920401 (EN)

Application
EP 91108463 A 19910524

Priority
IT 2079990 A 19900628

Abstract (en)
[origin: EP0465807A2] A rotary vane compressor in which the lubricating oil is kept separate from the pressurized fluid. The compressor comprises a stator (10) defining a chamber (14) delimited by a cylindrical wall in which a hollow rotor (15) eccentrically rotates; the rotor (15) is provided with vanes (19) sliding in corresponding longitudinal slots (18). Cam means (29) are provided within the hollow rotor (15) to cause the vanes (19) to slide radially and to hold their edge in very close proximity to the internal wall of the stator chamber (14). <IMAGE>

IPC 1-7
F04C 18/352

IPC 8 full level
F01C 21/08 (2006.01); **F04C 18/352** (2006.01)

CPC (source: EP)
F01C 21/0836 (2013.01); **F04C 18/352** (2013.01)

Citation (search report)
• [Y] FR 420921 A 19110210 - CONDENSATIONSBAU-GESELLSCHAFT M B H VORMALS OTTO S [DE]
• [Y] US 2909397 A 19591020 - BROWN SAMUEL B
• [A] BE 402764 A
• [Y] US 3764241 A 19731009 - CARTLAND W, et al
• [Y] US 2031125 A 19360218 - PESCHL FRANK A
• [Y] US 3279387 A 19661018 - MCGILL DANIEL F
• [A] US 3065708 A 19621127 - ROTH JAY M
• [A] US 4355965 A 19821026 - LOWTHER FRANK E

Cited by
US11111789B2; CN108026929A; EP2987951A1; CN106536855A; US9803642B2; WO2016026556A1; US10837283B2

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