

Title (en)  
A ROTARY VANE COMPRESSOR

Publication  
**EP 0425094 A3 19910724 (EN)**

Application  
**EP 90310388 A 19900921**

Priority  
GB 8921583 A 19890925

Abstract (en)  
[origin: EP0425094A2] A rotary vane compressor (2) comprising a body (4), a bore (6) in the body (4), a rotor (8) mounted for rotation in the bore (6), and a plurality of sliding vanes (10) which are slideably mounted in slots (12) in the rotor (8) such that the sliding vanes (10) are extendible at a radial angle with respect to the rotor (8), the bore (6) being such that it has a central portion (14) and a pair of lobe portions (16, 18) which are positioned one on either side of the central portion (14), the rotor (8) being mounted for rotation in the central portion (14) such that the lobe portions (16, 18) form a pair of compression chambers during use of the rotary vane compressor (2), and the central portion (14) and the lobe portions (16, 18) together having a bore wall (20) which is such that during use of the rotary vane compressor (2) the outer ends (22) of the vanes (10) are always in contact with the bore wall (20).

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**F04C 18/344**; **F01C 21/10**

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

CPC (source: EP)  
**F01C 21/104** (2013.01); **F04C 18/3446** (2013.01)

Citation (search report)  
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CN101975164A

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GR IT LI LU NL SE

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**EP 0425094 A2 19910502**; **EP 0425094 A3 19910724**; CA 2026052 A1 19910326; GB 2242707 A 19911009; GB 8921583 D0 19891108; GB 9020631 D0 19901031

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