

Title (en)  
VANE TYPE COMPRESSOR

Title (de)  
VERDICHTER MIT SCHAUFELN

Title (fr)  
COMPRESSEUR A PALETTES

Publication  
**EP 0793020 A4 19980909 (EN)**

Application  
**EP 95939397 A 19951208**

Priority  

- JP 9502515 W 19951208
- JP 33497494 A 19941220
- JP 7067095 A 19950303
- JP 16148595 A 19950605

Abstract (en)  
[origin: WO9619667A1] A compressor comprising a rear side member (20) that includes a rear head (6) fixed to one end of a cam ring (1), and a movable plate (4) held by the rear head (6) to face one end of a rotor (2) and capable of moving along the axis of a driving shaft (7). When the compressor is started, the movable plate (4) is temporarily pushed to leave the rotor by the pressure of a compression chamber partitioned by vanes (14). As a result, a gap is defined between the movable plate (4) and the rotor (2), and it allows liquid to escape so that liquid compression can be avoided. As the start of the compressor (that is, when a solenoid clutch is turned on), the driving shaft (7) moves towards the rear side and the rotor (2) is pressed against the movable plate (4). However, because the movable plate (4) temporarily moves towards the side opposite to the rotor, the pressure of sliding contact between the rotor (2) and the movable plate (4) lowers, and seizure can be restricted.

IPC 1-7  
**F04C 18/344**

IPC 8 full level  
**F04C 18/344** (2006.01); **F04C 27/00** (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP KR)  
**F04C 2/34** (2013.01 - KR); **F04C 18/3446** (2013.01 - EP); **F04C 27/005** (2013.01 - EP); **F04C 29/0021** (2013.01 - EP)

Citation (search report)  

- [X] EP 0116136 A2 19840822 - KNORR BREMSE GMBH [DE]
- [X] DE 3303247 A1 19830818 - DIESEL KIKI CO [JP]
- [X] DE 2607444 A1 19760909 - NIPPON PISTON RING CO LTD [JP], et al
- [A] GB 2099081 A 19821201 - DENCO AGR LTD
- See references of WO 9619667A1

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Designated contracting state (EPC)  
DE FR

DOCDB simple family (publication)  
**WO 9619667 A1 19960627**; EP 0793020 A1 19970903; EP 0793020 A4 19980909; KR 970707390 A 19971201

DOCDB simple family (application)  
**JP 9502515 W 19951208**; EP 95939397 A 19951208; KR 19970702519 A 19970417