

Title (en)
REFRIGERANT COMPRESSOR

Title (de)
KÄLTEMITTELKOMPRESSOR

Title (fr)
COMPRESSEUR DE REFRIGERATION

Publication
EP 1541868 A1 20050615 (EN)

Application
EP 04732026 A 20040510

Priority

- JP 2004006578 W 20040510
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- JP 2004120162 A 20040415

Abstract (en)
A valve plate includes a plurality of suction holes and a plurality of suction reed valves for opening and closing them. At least two of these suction reed valves have different natural frequencies. In this configuration, a natural frequency of one reed valve is larger. Therefore, even when an operation frequency is changed to a higher frequency, the compressor can suck a refrigerant gas into a cylinder efficiently without occurring delayed closing and reduction of a lift amount. Thus, refrigerating capacity and compression efficiency can be increased. <IMAGE>

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F04B 39/10

IPC 8 full level
F04B 39/00 (2006.01); **F04B 39/10** (2006.01)

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Cited by
FR2895037A1; CN104619987A; EP2909480A4; US11236748B2; US11767838B2; US11619228B2; WO2007071665A1; US10094600B2; US10928108B2; US10995974B2; US11248605B1; WO2024101596A1

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