

Title (en)

Variable capacity swash plate type compressor

Title (de)

Taumelscheibenkompressor mit veränderlicher Förderleistung

Title (fr)

Compresseur à plateau en biais à capacité variable

Publication

**EP 1308621 A2 20030507 (EN)**

Application

**EP 02024681 A 20021105**

Priority

JP 2001340800 A 20011106

Abstract (en)

A variable displacement type compressor circulates a fluid in an air conditioning circuit. The compressor has a compression mechanism and a displacement control valve. The compression mechanism compresses the fluid. The displacement control valve controls discharge amount of the fluid of the compressor. In a first predetermined range of discharge pressure, suction pressure decreases at a first variation as the discharge pressure increases. In a second predetermined range of the discharge pressure that is higher than the first predetermined range, the suction pressure varies at a second variation as the discharge pressure increases. The second variation is constituted of at least one of a third variation that is smaller than the first variation and at which the suction pressure decreases as the discharge pressure increases, a fourth variation at which the suction pressure increases as the discharge pressure increases, and substantially zero. <IMAGE>

IPC 1-7

**F04B 27/18**

IPC 8 full level

**F04B 39/00** (2006.01); **F04B 27/14** (2006.01); **F04B 27/18** (2006.01); **F04B 49/00** (2006.01)

CPC (source: EP US)

**F04B 27/1804** (2013.01 - EP US)

Citation (applicant)

- JP H04321779 A 19921111 - NIPPON DENSO CO
- JP H06123279 A 19940506 - TOYODA AUTOMATIC LOOM WORKS
- JP H07119642 A 19950509 - TOYODA AUTOMATIC LOOM WORKS, et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1308621 A2 20030507**; JP 2003148337 A 20030521; JP 3982237 B2 20070926; US 2003108432 A1 20030612

DOCDB simple family (application)

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