

Title (en)

Slant plate type compressor with variable capacity control mechanism.

Title (de)

Schiefscheibenverdichter mit Vorrichtung zur Hubänderung.

Title (fr)

Compresseur à plateau en biais avec dispositif à déplacement variable.

Publication

**EP 0536989 B1 19950503 (EN)**

Application

**EP 92309128 A 19921007**

Priority

- JP 8133991 U 19911007
- JP 27582491 A 19911023

Abstract (en)

[origin: EP0536989A1] A variable capacity type slant plate type compressor (10) including a crank chamber (22) and a suction chamber (241) and a discharge chamber (251) is disclosed. The crank chamber (22) is linked by a first communication path to the suction chamber, and is linked by a second communication path to the discharge chamber. A first valve control mechanism (400) is disposed within the first communication path. A second valve control mechanism is disposed within the second communication path. A fluid communication between the crank and suction chambers is controlled by the first valve control mechanism (400) so as to maintain the suction chamber pressure at one predetermined constant value while a fluid communication between the crank (22) and discharge chambers (251) is continuously closed. A fluid communication between the crank and discharge chambers is opened by the second valve control mechanism when the predetermined constant value of the suction chamber pressure is required to be changed to the greater value side while the fluid communication between the crank and suction chambers is continuously closed as long as the crank chamber pressure is not abnormally increased. <IMAGE>

IPC 1-7

**F04B 1/28**

IPC 8 full level

**F04B 27/18** (2006.01)

CPC (source: EP US)

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Cited by

US5752809A; EP1845260A3; EP0919720A3; DE10115506B4; FR2794183A1; EP0961031A3; US6102669A; EP0896153A3; EP0628722A1; US5797730A; FR2752020A1; DE19733099B4; EP1113235A1; US5603610A; US6257848B1; US6217292B1; WO2004046549A1; US6449971B1; US6179572B1; EP0953765B2

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