

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 A1 19930414 (EN)

Application

EP 92309128 A 19921007

Priority

- JP 8133991 U 19911007
- JP 27582491 A 19911023

Abstract (en)

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)

F04B 27/1804 (2013.01 - EP US); **F04B 2027/1813** (2013.01 - EP US); **F04B 2027/1831** (2013.01 - EP US); **F04B 2027/1854** (2013.01 - EP US); **F04B 2027/1859** (2013.01 - EP US); **F04B 2027/189** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 0536989 A1 19930414; **EP 0536989 B1 19950503**; US RE35672 E 19971125

DOCDB simple family (application)

EP 92309128 A 19921007; US 62741496 A 19960404