

Title (en)

Control valve for variable capacity compressor

Title (de)

Regelventil für einen Verdichter variabler Verdrängung

Title (fr)

Soupape de commande pour un compresseur à capacité variable

Publication

EP 1420163 A3 20050824 (EN)

Application

EP 03026082 A 20031112

Priority

JP 2002327909 A 20021112

Abstract (en)

[origin: EP1420163A2] In a control valve for a variable capacity compressor, a patch member is provided to a movable-side end portion of a bellows main body. A valve rod is fitted in the fitting recessed portion formed in the patch member. A compression coil spring is disposed between the patch member and a lower patch member for supporting a fixed-side end portion of the bellows main body. <IMAGE>

IPC 1-7

F04B 27/18

IPC 8 full level

F04B 49/00 (2006.01); **F04B 27/14** (2006.01); **F04B 27/18** (2006.01); **F16K 31/126** (2006.01)

CPC (source: EP US)

F04B 27/1804 (2013.01 - EP US); **F04B 2027/1813** (2013.01 - EP US); **F04B 2027/1827** (2013.01 - EP US); **F04B 2027/1859** (2013.01 - EP US)

Citation (search report)

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- [A] EP 1030092 A1 20000823 - SAGINOMIYA KK [JP], et al
- [A] US 5531572 A 19960702 - KIMURA KAZUYA [JP], et al
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CN108700050A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1420163 A2 20040519; **EP 1420163 A3 20050824**; **EP 1420163 B1 20081022**; CN 100368685 C 20080213; CN 1499078 A 20040526; DE 60324237 D1 20081204; JP 2004162567 A 20040610; KR 20040042817 A 20040520; US 2004091368 A1 20040513

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