

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 A2 20040519 (EN)

Application

EP 03026082 A 20031112

Priority

JP 2002327909 A 20021112

Abstract (en)

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)

Cited by

CN108700050A

Designated contracting state (EPC)

DE FR GB IT

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

DOCDB simple family (application)

EP 03026082 A 20031112; CN 200310103850 A 20031112; DE 60324237 T 20031112; JP 2002327909 A 20021112; KR 20030074265 A 20031023; US 68969903 A 20031022