

Title (en)
VARIABLE-CAPACITY COMPRESSOR CONTROL VALVE

Title (de)
KOMPRESSORREGLVENTIL MIT VARIABLER KAPAZITÄT

Title (fr)
SOUPAPE DE COMMANDE DE COMPRESSEUR À CAPACITÉ VARIABLE

Publication
EP 3187730 B1 20180704 (EN)

Application
EP 16195716 A 20161026

Priority
JP 2015244996 A 20151216

Abstract (en)
[origin: EP3187730A1] Provided is a variable-capacity compressor control valve where the size of a plunger can be reduced, the machining and assembly process can be simplified, weight reduction can be achieved, and cost reduction can also be achieved, for example. The plunger has a slit through which a valve element is assembled to the plunger by being inserted from a lateral side. The slit serves as a flow path for releasing the pressure P_c in the crank chamber to the suction chamber of the compressor from the P_s inlet/outlet port when the sub valve element has opened the in-valve release passage.

IPC 8 full level
F04B 27/18 (2006.01)

CPC (source: CN EP KR US)
F04B 27/14 (2013.01 - KR); **F04B 27/1804** (2013.01 - CN EP US); **F04B 39/08** (2013.01 - KR); **F04B 39/10** (2013.01 - KR);
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F04B 2027/1854 (2013.01 - EP US); **F04B 2027/1859** (2013.01 - CN EP US)

Cited by
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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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