

Title (en)
VARIABLE DISPLACEMENT COMPRESSOR

Title (de)
VERDICHTER MIT VARIABLER VERDRÄNGUNG

Title (fr)
COMPRESSEUR À CYLINDRÉE VARIABLE

Publication
EP 2063121 A1 20090527 (EN)

Application
EP 07806954 A 20070907

Priority
• JP 2007067522 W 20070907
• JP 2006244691 A 20060908

Abstract (en)
A hinge mechanism (40) of a variable capacity compressor (1) includes an arm (41) protruded toward a tilting member (24) from a rotation member (21), an arm (43) protruded toward the rotation member (21) from the tilting member (24) to receive a rotational torque from the arm (41) of the rotation member, a pin (51) fixed to one of the arm (41) of the rotation member and the arm (43) of the tilting member, and an axial-load receiving surface (53a, 53b) formed on the other of the arm (41) of the rotation member and the arm (43) of the tilting member and configured to be in contact with the pin (51) so as to receive an axial load produced between the rotation member (21) and the tilting member (24). A position where the pin (51) and the axial-load receiving surface (53a) contact with each other when the swash plate (24) has a maximum inclination angle is located within a range of 27 to 90 degrees anterior, in the rotational direction, to a position (TDC) corresponding to the top dead center.

IPC 8 full level
F04B 27/08 (2006.01)

CPC (source: EP KR US)
F04B 25/04 (2013.01 - KR); **F04B 27/08** (2013.01 - KR); **F04B 27/1072** (2013.01 - EP US)

Citation (search report)
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