

Title (en)
VARIABLE DISPLACEMENT SWASH-PLATE COMPRESSOR

Title (de)
TAUMELSCHEIBENVERDICHTER MIT VARIABLEM VERDRÄNGUNG

Title (fr)
COMPRESSEUR À PLATEAU OSCILLANT À DÉPLACEMENT VARIABLE

Publication
EP 3026265 B1 20170628 (EN)

Application
EP 15195805 A 20151123

Priority
JP 2014239917 A 20141127

Abstract (en)
[origin: EP3026265A1] A variable displacement swash-plate compressor includes an actuator (13) that is configured to change the inclination angle of a swash plate (5). The actuator (13) includes a movable body (13a) that moves along a drive shaft axis (O). The movable body (13a) includes an acting portion (14a) that is configured to push the swash plate (5) with the pressure in a control pressure chamber (13b). The swash plate (5) includes a receiving portion (5g) that contacts and is pushed by the acting portion (14a). The acting portion (14a) and the receiving portion (5g) contact each other at an acting position (F1). A bottom dead center associated part (U) for positioning the piston (9) at a bottom dead center is defined on the swash plate (5). When the inclination angle is minimized, the acting position (F1) is located at a position closer to the bottom dead center associated part (U) than the drive shaft axis (O).

IPC 8 full level
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CPC (source: EP US)
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