

Title (en)
VARIABLE CAPACITY PISTON PUMP

Title (de)
KOLBENPUMPE MIT VARIABLER KAPAZITÄT

Title (fr)
POMPE À PISTON À CAPACITÉ VARIABLE

Publication
EP 3171023 A1 20170524 (EN)

Application
EP 15821704 A 20150702

Priority
• JP 2014145923 A 20140716
• JP 2015069137 W 20150702

Abstract (en)
A variable capacity piston pump 1 comprises a control piston 50 pressing a pressed portion 33 of a swashplate 30 from a cylinder block 14 side to adjust an inclination of the swashplate 33 between a maximum inclination and a minimum inclination, and a swashplate return spring 60 biasing the pressed portion 33 of the swashplate 30 toward the cylinder block 14 side of the sliding contact surface 30a, wherein there is a positional relationship in which a vertical reference line Z passes between a first seat surface center position A1 of the swashplate return spring 60 when the swashplate 30 is at the maximum inclination and a second seat surface center position A2 of the swashplate return spring 60 when the swashplate 30 is at the minimum inclination.

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F04B 1/32 (2006.01)

CPC (source: EP US)
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