

Title (en)
CONTROL VALVE FOR VARIABLE DISPLACEMENT COMPRESSOR

Title (de)
REGELVENTIL FÜR EINEN VERDICHTER MIT VARIABLER VERDRÄNGUNG

Title (fr)
SOUPAPE DE CONTRÔLE POUR COMPRESSEUR DE DÉPLACEMENT VARIABLE

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Application
EP 15172749 A 20150618

Priority

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- JP 2014237105 A 20141121

Abstract (en)
[origin: EP2963293A1] A control valve (1) according to one embodiment includes a body (5) having a port (10) communicating with a discharge chamber and a port (12) communicating with a crankcase, a valve seat forming member (16) having a valve hole (18), through which to communicate the port (10) and the port (12), and a valve seat (22) formed on an opening end of the valve hole (18), the valve seat forming member (16) being integrally assembled with the body (5) after the valve seat forming member (16) has been formed separately from the body (5), a valve element (24) for opening and closing a valve section by touching and leaving the valve seat (22), and a solenoid (3), provided in the body (5), which supplies a valve-opening-direction or valve-closing-direction drive force to the valve element (24). The valve seat forming member (16) has a higher degree of hardness than the body (5) and is formed of a metallic material whose Vickers hardness is 500 or above.

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