

Title (en)
COMPRESSOR

Title (de)
VERDICHTER

Title (fr)
COMPRESSEUR

Publication
EP 2045465 A1 20090408 (EN)

Application
EP 07791218 A 20070724

Priority
• JP 2007064486 W 20070724
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Abstract (en)
A compressor (1) includes communication holes (83) penetrating through a valve plate (9) at positions opposite to regulation steps of a cylinder block (2) and communicating cylinder bores (3) and suction chamber (7), a rotary valve (71) configured to rotate with the drive shaft (10) and be in rotational slide contact with a suction chamber side of the valve plate (9) as covering the communication holes (83) of the valve plate (9). The rotary valve (71) is formed with a residual pressure release passage (71c). As the rotary valve (71) rotates, the residual pressure release passage (71c) connects by turns one of the communication holes (83) communicating with one of the cylinder bores (3) having finished discharge and another of the communication holes (83) communicating with another of cylinder bores (3) having lower pressure than the one of the cylinder bores (3).

IPC 8 full level
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CPC (source: EP KR US)
F04B 27/08 (2013.01 - KR); **F04B 27/1009** (2013.01 - EP US); **F04B 39/10** (2013.01 - KR); **F04B 39/1073** (2013.01 - EP US);
F04B 39/12 (2013.01 - KR)

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Cited by
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