

Title (en)  
COMPRESSOR

Title (de)  
VERDICHTER

Title (fr)  
COMPRESSEUR

Publication  
**EP 2012011 A1 20090107 (EN)**

Application  
**EP 07741096 A 20070405**

Priority  
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• JP 2006117934 A 20060421

Abstract (en)  
A compressor having a cylinder bore where fluid is compressed, a valve plate for partitioning the cylinder bore and a suction chamber, a suction hole provided in the valve plate and communicating the cylinder bore and the suction chamber, and a suction reed valve for opening and closing the suction hole and caused, when the valve closes the suction hole, to be in contact with a suction reed valve seal section of the valve plate. The suction reed valve seal section is located outside a suction hole-provided region. A suction reed valve support section, with which the suction reed valve can be in contact when the suction reed valve is closed, is provided also in the suction hole-provided region of the valve plate, and a valve function is provided between the outer periphery portion of the suction reed valve contact section of the suction reed valve support section and the suction reed valve. A through hole is provided in a part inside the portion where the valve function of the reed valve is provided. In the compressor, pressure loss at a suction valve portion in a suction stroke is reduced to improve suction efficiency etc. and vibration of the reed valve is suppressed by the reduction in pressure loss.

IPC 8 full level  
**F04B 39/10** (2006.01)

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