

Title (en)  
COMPRESSOR

Title (de)  
VERDICHTER

Title (fr)  
COMPRESSEUR

Publication  
**EP 3217014 A4 20180110 (EN)**

Application  
**EP 15866661 A 20150812**

Priority  
• JP 2014251738 A 20141212  
• JP 2015072828 W 20150812

Abstract (en)  
[origin: EP3217014A1] A compressor is provided that is capable of reducing a bending amount of a drive shaft to reduce noise generated by vibration caused by a bending eigenvalue. The compressor is provided with: a compression mechanism; a motor that includes a rotor (13) formed by a plurality of steel plates stacked on top of each other, and a stator (12) provided around an outer circumferential portion of the rotor (13); and a drive shaft (14) that connects the motor and the compression mechanism. A first balance weight (35) is provided on the surface of the rotor located remote from the compression mechanism in the axial direction of the drive shaft (14), and of the stacked steel plates, a steel plate (13A) adjacent to the first balance weight (35) protrudes toward the stator (12) located remote from the first balance weight (35) in the radial direction of the rotor (13) with respect to the axis of the drive shaft (14).

IPC 8 full level  
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CPC (source: EP)  
**F04C 18/356** (2013.01); **F04C 23/008** (2013.01); **F04C 23/02** (2013.01); **F04C 29/0021** (2013.01); **F04C 29/0085** (2013.01); **F04C 29/06** (2013.01); **F04C 2240/20** (2013.01); **F04C 2240/40** (2013.01); **F04C 2240/60** (2013.01); **F04C 2240/807** (2013.01)

Citation (search report)  
• [XYI] JP 2014128101 A 20140707 - TOYOTA IND CORP  
• [XI] JP 2009162167 A 20090723 - HITACHI IND EQUIPMENT SYS  
• [Y] JP 2002272073 A 20020920 - NISSAN MOTOR  
• [Y] US 2004099521 A1 20040527 - DEMERS JASON A [US], et al  
• See references of WO 2016092906A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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DOCDB simple family (publication)  
**EP 3217014 A1 20170913; EP 3217014 A4 20180110; EP 3217014 B1 20190522**; CN 107076149 A 20170818; JP 2016113923 A 20160623; JP 6502078 B2 20190417; WO 2016092906 A1 20160616

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