

Title (en)  
COMPRESSOR

Title (de)  
VERDICHTER

Title (fr)  
COMPRESSEUR

Publication  
**EP 2090780 B1 20170524 (EN)**

Application  
**EP 07828567 A 20070927**

Priority  
• JP 2007068821 W 20070927  
• JP 2006322874 A 20061130

Abstract (en)  
[origin: EP2090780A1] An integral structural part 8 is formed by integrally assembling a compression element 2 with a rotor 6 via a shaft 12. The natural frequency of the integral structural part 8 is larger than five times the maximum number of rotations of the compressor under its operation. Consequently, large noise and vibrations of the compressor can be prevented from occurrence during its operation.

IPC 8 full level  
**F04B 39/00** (2006.01); **F04C 18/32** (2006.01); **F04C 29/00** (2006.01); **F04C 23/00** (2006.01)

CPC (source: EP KR US)  
**F04C 18/322** (2013.01 - EP KR US); **F04C 23/008** (2013.01 - EP KR US); **F04C 29/0085** (2013.01 - EP KR US); **F25B 9/008** (2013.01 - KR); **F04C 2270/12** (2013.01 - EP KR US); **F05B 2210/12** (2013.01 - KR); **F05B 2240/10** (2013.01 - KR); **F05B 2240/20** (2013.01 - KR)

Cited by  
US11757330B2; US11437900B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 2090780 A1 20090819**; **EP 2090780 A4 20141231**; **EP 2090780 B1 20170524**; AU 2007326724 A1 20080605; CN 101535645 A 20090916; CN 101535645 B 20110601; ES 2628343 T3 20170802; JP 2008138526 A 20080619; KR 101073270 B1 20111012; KR 20090067205 A 20090624; US 2010074774 A1 20100325; WO 2008065802 A1 20080605

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