

Title (en)
Motor-driven compressor

Title (de)
Motorbetriebener Verdichter

Title (fr)
Compresseur motorisé

Publication
EP 2505840 A3 20130612 (EN)

Application
EP 12161460 A 20120327

Priority
JP 2011079837 A 20110331

Abstract (en)
[origin: EP2505840A2] A motor-driven compressor includes an electric motor (23), a compression mechanism (32), which compresses gas by being driven by the electric motor (23), and a body (KT) accommodating the electric motor (23) and the compression mechanism (32). The motor-driven compressor includes a motor control section (51), which drives the electric motor (23) by controlling power supply to the electric motor (23), a vibration control section (52), which generates a waveform in a phase opposite to the waveform of vibration predicted to be generated in the body (KT) due to the driving of the electric motor (23), and a vibration applying device (45a-45c), which is located on the body (KT) and applies vibration in the opposite phase generated by the vibration control section (52) to the body (KT).

IPC 8 full level
F04C 18/02 (2006.01); **F04C 29/06** (2006.01)

CPC (source: EP KR US)
F01N 1/00 (2013.01 - KR); **F04C 29/06** (2013.01 - EP KR US); **G10K 11/16** (2013.01 - KR); **F04C 18/0215** (2013.01 - EP US); **F04C 23/008** (2013.01 - EP US); **F04C 2270/12** (2013.01 - EP US)

Citation (search report)

- [AD] JP H04334713 A 19921120 - TOSHIBA CORP
- [A] EP 1202147 A2 20020502 - HEIDELBERGER DRUCKMASCH AG [DE]
- [A] EP 1867834 A2 20071219 - MITSUBISHI HEAVY IND LTD [JP]

Cited by
EP3604736A1

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)
BA ME

DOCDB simple family (publication)
EP 2505840 A2 20121003; **EP 2505840 A3 20130612**; CN 102734162 A 20121017; JP 2012215089 A 20121108; KR 20120112138 A 20121011; US 2012251361 A1 20121004

DOCDB simple family (application)
EP 12161460 A 20120327; CN 201210084794 A 20120327; JP 2011079837 A 20110331; KR 20120031717 A 20120328; US 201213430244 A 20120326