

Title (en)
ELECTRIC COMPRESSOR

Title (de)
ELEKTRISCHER VERDICHTER

Title (fr)
COMPRESSEUR ÉLECTRIQUE

Publication
EP 3163083 C0 20231011 (EN)

Application
EP 16195986 A 20161027

Priority
JP 2015211950 A 20151028

Abstract (en)
[origin: EP3163083A1] An electric compressor 1 includes an electric motor 3, a rotary drive shaft 9 joined to a rotor 6 of the electric motor 3, a compression mechanism 4 including, at least on one end side of the rotary drive shaft 9, bearing members 10, 11 configured to support the rotary drive shaft 9 and driven through the rotary drive shaft 9, and a weight member 25 as a rotary inertia body provided at least on the end surface of the rotor 6 close to the compression mechanism 4 or each end surface of the rotor 6. The weight member 25 provided on the end surface of the rotor 6 close to the compression mechanism 4 is a ring-shaped weight member 25 hung over the outer periphery of a boss portion 10A of the bearing member 10 forming the compression mechanism 4 and having a flat outer end surface.

IPC 8 full level
F04C 23/00 (2006.01); **F04C 29/00** (2006.01)

CPC (source: EP)
F04C 23/008 (2013.01); **F04C 29/0021** (2013.01); **F04C 29/0085** (2013.01); **F04C 2240/807** (2013.01)

Cited by
CN115199546A; EP4020779A1; US11863021B2

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

Participating member state (EPC – UP)
AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)
EP 3163083 A1 20170503; **EP 3163083 B1 20231011**; **EP 3163083 C0 20231011**; JP 2017082684 A 20170518; JP 6808312 B2 20210106

DOCDB simple family (application)
EP 16195986 A 20161027; JP 2015211950 A 20151028