

Title (en)
ELECTRIC COMPRESSOR

Title (de)
ELEKTRISCHER VERDICHTER

Title (fr)
COMPRESSEUR ÉLECTRIQUE

Publication
EP 3163083 B1 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

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