

Title (en)
VIBRATION ATTENUATION MECHANISM, AND VEHICLE WITH SAID VIBRATION ATTENUATION MECHANISM MOUNTED THEREON

Title (de)
VIBRATIONSDÄMPFUNGSMEECHANISMUS UND FAHRZEUG MIT DARAN MONTIERTEM VIBRATIONSDÄMPFUNGSMEECHANISMUS

Title (fr)
MÉCANISME D'ATTÉNUATION DE VIBRATIONS, ET VÉHICULE POURVU DUDIT MÉCANISME D'ATTÉNUATION DE VIBRATIONS MONTÉ SUR CELUI-CI

Publication
EP 3814635 A1 20210505 (EN)

Application
EP 19728589 A 20190523

Priority
• CN 201810697096 A 20180629
• EP 2019063292 W 20190523

Abstract (en)
[origin: WO2020001872A1] Disclosed in the present invention are a vibration attenuation mechanism, and a vehicle with the vibration attenuation mechanism mounted thereon. The vibration attenuation mechanism (100) is used for subjecting a compressor (200) to vibration attenuation, the compressor having a center of mass; the vibration attenuation mechanism comprises a number of elastic elements (1), each of the elastic elements having an elastic center, the number of elastic centers being not completely located in the same plane and together forming a three-dimensional cushioning space (10), with the center of mass of the compressor being located in the cushioning space. With this arrangement, the vibration attenuation mechanism is not only able to effectively attenuate vibration of the compressor in a vertical direction, but also able to effectively attenuate vibration of the compressor in a rotation direction; thus, the effectiveness of vibration attenuation of the compressor by the vibration attenuation mechanism is greatly improved.

IPC 8 full level
F04B 39/00 (2006.01); **F04B 53/00** (2006.01)

CPC (source: CN EP)
F04B 39/0044 (2013.01 - EP); **F04B 53/003** (2013.01 - EP); **F16F 15/04** (2013.01 - CN); **F16F 15/08** (2013.01 - CN); **F16M 5/00** (2013.01 - CN); **F16M 7/00** (2013.01 - CN)

Citation (search report)
See references of WO 2020001872A1

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)
WO 2020001872 A1 20200102; CN 110657194 A 20200107; CN 210153143 U 20200317; EP 3814635 A1 20210505

DOCDB simple family (application)
EP 2019063292 W 20190523; CN 201910125829 A 20190220; CN 201920215257 U 20190220; EP 19728589 A 20190523