

Title (en)
NOISE & VIBRATION REDUCTION UNIT

Title (de)
GERÄUSCH- UND VIBRATIONSDÄMPFUNGSEINHEIT

Title (fr)
UNITÉ DE RÉDUCTION DE BRUIT ET DE VIBRATIONS

Publication
EP 3734071 A1 20201104 (EN)

Application
EP 19000203 A 20190429

Priority
EP 19000203 A 20190429

Abstract (en)
A noise and vibration reduction unit (101) comprises an air inlet (117), an elongate encasing body (108), a cancellation medium (121) and an air outlet (118). The inlet (117) allows influx of air from a compressor into an internal volume of the elongate encasing body (108) that is filled with the cancellation medium (121). The air passes through the cancellation medium (121) and the associated sound and vibrational disturbances that are produced by the compressor are dampened by the medium (121). The air then passes out of the elongate encasing body (108) by way of the air outlet (118) and is transferred downstream via tubing to an apparatus or environment for oxygen uptake.

IPC 8 full level
F04B 39/00 (2006.01); **F01N 1/24** (2006.01); **F01N 13/00** (2010.01); **F01N 13/16** (2010.01); **F04C 29/06** (2006.01)

CPC (source: EP)
F04B 39/005 (2013.01); **F04B 39/0083** (2013.01); **F04C 29/063** (2013.01); **F04C 29/065** (2013.01)

Citation (search report)
• [XYI] US 2004126247 A1 20040701 - BROSER DIETMAR [DE], et al
• [XI] CN 107514350 A 20171226 - GREE ELECTRIC APPLIANCES INC ZHUHAI
• [XI] US 3698510 A 19721017 - BLATT LELAND FRANCIS, et al
• [XI] US 2004211172 A1 20041028 - WANG CHUANFU [CN], et al
• [Y] DE 2342154 A1 19750227 - PUROLATOR FILTER GMBH
• [A] US 4082160 A 19780404 - SCHILLING HERMANN, et al

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CN114941617A

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 3734071 A1 20201104; **EP 3734071 B1 20220316**; CY 1125565 T1 20240216; ES 2910517 T3 20220512; PT 3734071 T 20220404

DOCDB simple family (application)
EP 19000203 A 20190429; CY 221100237 T 20220324; ES 19000203 T 20190429; PT 19000203 T 20190429