

Title (en)

A NOISE PROCESSING UNIT FOR A MOTOR VEHICLE

Title (de)

RAUSCHVERARBEITUNGSEINHEIT FÜR EIN KRAFTFAHRZEUG

Title (fr)

UNITÉ DE TRAITEMENT DE BRUIT POUR VÉHICULE AUTOMOBILE

Publication

**EP 4136330 A4 20240417 (EN)**

Application

**EP 21788413 A 20210415**

Priority

- IN 202041016201 A 20200415
- IN 2021050376 W 20210415

Abstract (en)

[origin: WO2021210020A1] The present subject matter relates to an exhaust system with a noise processing unit (225) like a muffler for a motor vehicle. The noise processing unit (225) is part of an exhaust system (102) connected to an internal combustion engine (101). The noise processing unit (225) comprises one or more intermediate chamber(s) (311) that are selectively disposed physically between plurality of first chamber(s) (301, 302). One or more second chamber(s) (321) are disposed subsequent to the plurality of first chambers (301, 302). The noise processing unit (225) is configured to direct exhaust gases to flow through the plurality of first chambers (301, 302), subsequently through the one or more intermediate chambers (311) and then through the one or more second chambers (321). The noise processing unit (225) occupies less space and performs effective attenuation of noise.

IPC 8 full level

**F01N 1/12** (2006.01)

CPC (source: EP)

**F01N 1/084** (2013.01); **F01N 2470/08** (2013.01); **F01N 2490/02** (2013.01); **F01N 2490/155** (2013.01); **F01N 2490/18** (2013.01); **F01N 2590/04** (2013.01)

Citation (search report)

- [XAI] JP 2002235522 A 20020823 - KOMATSU MFG CO LTD
- [X] US 3042138 A 19620703 - RICHARD REINERT
- [X] US 5376341 A 19941227 - GULATI SURESH T [US]
- See references of WO 2021210020A1

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

DOCDB simple family (publication)

**WO 2021210020 A1 20211021**; **WO 2021210020 A4 20211216**; CN 115461530 A 20221209; EP 4136330 A1 20230222; EP 4136330 A4 20240417

DOCDB simple family (application)

**IN 2021050376 W 20210415**; CN 202180026938 A 20210415; EP 21788413 A 20210415