

Title (en)

Device for cooling an exhaust gas stream

Title (de)

Vorrichtung zur Kühlung eines Abgasstroms

Title (fr)

Dispositif destiné au refroidissement d'un flux de gaz d'échappement

Publication

EP 2317093 A3 20130417 (DE)

Application

EP 10188159 A 20101020

Priority

DE 102009046253 A 20091030

Abstract (en)

[origin: EP2317093A2] The device (20) has a discharge nozzle (24) impinged by an exhaust gas flow (18). The discharge nozzle projects in an open end of an adjacent exhaust gas pipe (28) such that a low pressure compared to the environment (32) is generated in a suction area (30) with passage of the exhaust gas flow. The suction area is formed between the discharge nozzle and the exhaust gas pipe. An adjusting unit (44) is provided for changing the flow cross-section of the discharge nozzle. An independent claim is also included for a motor vehicle with an engine chamber.

IPC 8 full level

F01N 13/08 (2010.01)

CPC (source: EP US)

F01N 13/082 (2013.01 - EP US); **F01N 2270/02** (2013.01 - EP US); **F01N 2590/08** (2013.01 - EP US)

Citation (search report)

- [XY] US 2008196408 A1 20080821 - LI JIANWEN [US], et al
- [XY] US 2008282688 A1 20081120 - BRADLEY JAMES C [US], et al

Cited by

EP2730764A4

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 2317093 A2 20110504; **EP 2317093 A3 20130417**; BR PI1013480 A2 20140204; CN 102052134 A 20110511;
DE 102009046253 A1 20110505; US 2011099990 A1 20110505

DOCDB simple family (application)

EP 10188159 A 20101020; BR PI1013480 A 20101028; CN 201010531393 A 20101029; DE 102009046253 A 20091030;
US 87462310 A 20100902