

Title (en)
Active acoustic baffler

Title (de)
Aktiver Schalldämpfer

Title (fr)
Silencieux actif

Publication
EP 2581567 B1 20160113 (DE)

Application
EP 12184776 A 20120918

Priority
DE 102011084567 A 20111014

Abstract (en)
[origin: EP2581567A1] The absorber has a connecting pipe (8) for acoustic and fluidic connection of a housing (7) with an exhaust system (1). An active membrane (10) separates front volume (12) from rear volume (13) in the housing, and is connected with the connecting pipe. An actuator stimulates vibration of the active membrane, and a condensation line (14) i.e. pipe, fluidically connects the rear volume with the front volume, in which vapor contained in the exhaust gas is condensed, where the condensed vapor is directed to the front volume.

IPC 8 full level
F01N 1/06 (2006.01)

CPC (source: EP US)
F01N 1/06 (2013.01 - EP US); **F01N 1/065** (2013.01 - EP US); **F01N 1/10** (2013.01 - EP US); **F01N 1/24** (2013.01 - EP US);
F01N 13/1888 (2013.01 - EP US); **G10K 11/16** (2013.01 - EP US); **G10K 2210/112** (2013.01 - EP US); **G10K 2210/1282** (2013.01 - EP US)

Cited by
CN104131862A; EP2800090A3; WO2014040745A1; US9462363B2; DE202017103871U1

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)
EP 2581567 A1 20130417; EP 2581567 B1 20160113; CN 103114889 A 20130522; CN 103114889 B 20150603;
DE 102011084567 A1 20130418; DE 102011084567 B4 20151001; DE 102011084567 C5 20190814; JP 2013087773 A 20130513;
JP 5624596 B2 20141112; US 2013092471 A1 20130418; US 9206717 B2 20151208

DOCDB simple family (application)
EP 12184776 A 20120918; CN 201210387028 A 20121012; DE 102011084567 A 20111014; JP 2012228348 A 20121015;
US 201213649597 A 20121011