

Title (en)  
EXHAUST GAS MUFFLER

Title (de)  
ABGASSCHALLDÄMPFER

Title (fr)  
SILENCIEUX D'ÉCHAPPEMENT

Publication  
**EP 3109423 B1 20171011 (DE)**

Application  
**EP 16171882 A 20160530**

Priority  
DE 102015110199 A 20150625

Abstract (en)  
[origin: US2016376953A1] An exhaust gas stream for an internal combustion engine includes a muffler housing (12) with a first chamber (14) and a second chamber (16). An exhaust gas inlet (24) has a first chamber opening area (30) and a second chamber opening area (32). An exhaust gas outlet (36) is open in an outlet opening area (42) towards the first chamber. A connection opening (50) is provided between the first chamber and the second chamber and has an exhaust valve arrangement associated therewith, including a valve element (56) including a closing area (58) closing the connection opening in a closed position of the exhaust valve arrangement (52). The exhaust valve arrangement includes an actuating area (64) associated with the inlet second opening area for generating an actuating force acting on the exhaust valve arrangement, moving from the closed position in the direction of an open position by exhaust gas bypass flow.

IPC 8 full level  
**F01N 1/00** (2006.01); **F01N 1/08** (2006.01); **F01N 1/16** (2006.01); **F01N 1/24** (2006.01)

CPC (source: CN EP US)  
**F01N 1/003** (2013.01 - EP US); **F01N 1/08** (2013.01 - CN); **F01N 1/084** (2013.01 - EP US); **F01N 1/16** (2013.01 - CN); **F01N 1/163** (2013.01 - US); **F01N 1/166** (2013.01 - EP US); **F01N 1/24** (2013.01 - EP US); **F01N 2240/36** (2013.01 - EP US); **F01N 2290/00** (2013.01 - US)

Cited by  
US11149602B2

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)  
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DE 102015110199 A1 20161229; JP 2017008940 A 20170112; JP 6328176 B2 20180523; US 2016376953 A1 20161229;  
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