

Title (en)  
Exhaust muffler

Title (de)  
Schalldämpfer

Title (fr)  
Silencieux

Publication  
**EP 2354483 A3 20120530 (DE)**

Application  
**EP 10195968 A 20101220**

Priority  
DE 102010007012 A 20100205

Abstract (en)  
[origin: EP2354483A2] The muffler (1) has two frontal end bases (2), which are averted from each other and a circular casing (3), which is closed in the circumferential direction. The muffler has a muffler insert (4), an inlet pipe (5) and an outlet pipe (6). The pipe extending through the casing has a cone (10) at its inner end. The muffler insert has a counter cone (11) and the cone intervenes in the counter cone. An independent claim is also included for a method for manufacturing a muffler for an exhaust system of an internal combustion engine, particularly of a motor vehicle.

IPC 8 full level  
**F01N 1/08** (2006.01); **F01N 13/18** (2010.01)

CPC (source: EP US)  
**F01N 1/08** (2013.01 - EP US); **F01N 13/185** (2013.01 - EP US); **F01N 2470/18** (2013.01 - EP US); **Y10T 29/49398** (2015.01 - EP US)

Citation (search report)

- [A] EP 1607594 A1 20051221 - GGP SWEDEN AB [SE]
- [A] EP 2149687 A1 20100203 - YAMAHA MOTOR CO LTD [JP]
- [A] GB 2303315 A 19970219 - FUJII HEAVY IND LTD [JP]

Cited by  
EP2375017A3; EP3179066A1; CN106917656A; US10174654B2

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 2354483 A2 20110810; EP 2354483 A3 20120530; EP 2354483 B1 20130619**; CN 102146825 A 20110810; CN 102146825 B 20130724; DE 102010007012 A1 20110811; JP 2011163342 A 20110825; JP 5781319 B2 20150916; US 2011192676 A1 20110811; US 8205716 B2 20120626

DOCDB simple family (application)  
**EP 10195968 A 20101220**; CN 201110033648 A 20110131; DE 102010007012 A 20100205; JP 2011021417 A 20110203; US 201113010412 A 20110120