

Title (en)  
Shell main body for muffler

Title (de)  
Hohlkörper für Schalldämpfer

Title (fr)  
Corps de silencieux

Publication  
**EP 1630372 B1 20071010 (EN)**

Application  
**EP 05291634 A 20050801**

Priority  
JP 2004245772 A 20040825

Abstract (en)  
[origin: EP1630372A1] The shell main body (3) for a muffler includes an inner shell (1) in a cylindrical shape with a cross-section of an imperfect circle defined by small arc portions (4, 5) alternating with large arc portions (6, 7); and an outer shell (2) wrapping the inner shell (1) and formed in a cylindrical shape similar to the inner shell (1). An end portion (1a) of the inner shell (1) and an end portion (2a) of the outer shell (2) are overlapped in a circumstantial direction of the shell main body (3) to form a shell overlap portion (8) that is capable of discharging vapor in a gap (6a, 7a) of the large arc portions (6, 7) formed between the inner shell (1) and the outer shell (2) into one of an outside and an inside of the shell main body (3). This shell overlapping portion (8) is located in one of the small arc portions (4, 5).

IPC 8 full level  
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CPC (source: EP)  
**F01N 13/08** (2013.01); **F01N 13/1872** (2013.01); **F01N 2470/10** (2013.01); **F01N 2470/24** (2013.01)

Cited by  
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Designated contracting state (EPC)  
DE ES FR GB

DOCDB simple family (publication)  
**EP 1630372 A1 20060301**; **EP 1630372 B1 20071010**; DE 602005002800 D1 20071122; DE 602005002800 T2 20080828;  
ES 2294657 T3 20080401

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