

Title (en)  
REFLECTION MUFFLER FOR COMBUSTION ENGINES

Publication  
**EP 0158013 B1 19890111 (DE)**

Application  
**EP 85100933 A 19850130**

Priority  
DE 3406282 A 19840222

Abstract (en)  
[origin: US4623035A] A muffler is disclosed comprising a closed housing having an annular inlet and an annular outlet neck, and the housing having arranged therein a pair of axially extending pipes which are at least partially overlapping one another. One of the pipes is connected to the inlet neck and has a circumferentially arranged passageway to permit the exhaust gases to be directed from the inlet neck to the inside of the housing. The other pipe is connected to the outlet neck and has a circumferentially arranged passageway to permit the exhaust gases to be directed from inside the housing to the outlet neck.

IPC 1-7  
**F01N 1/00**

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

CPC (source: EP US)  
**F01N 1/08** (2013.01 - EP US)

Cited by  
DE102014101144A1; US5188998A; DE102014101144B4

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**EP 0158013 A1 19851016; EP 0158013 B1 19890111**; DE 3406282 A1 19850822; DE 3406282 C2 19860430; DE 3567501 D1 19890216; US 4623035 A 19861118

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