

Title (en)  
Exhaust silencer

Title (de)  
Abgasschalldämpfer

Title (fr)  
Silencieux d'échappement

Publication  
**EP 1507071 B1 20160713 (DE)**

Application  
**EP 04019054 A 20040811**

Priority  
• DE 10337110 A 20030811  
• DE 10337111 A 20030811

Abstract (en)  
[origin: EP1507071A1] The internal combustion engine silencer consists of a straight-through pipe (1) surrounded by an outer housing (2). The housing has flat end plates (3,4) and an e.g. circular-section mantle (5) joining the end plates. The pipe carrying the exhaust gas has micro-perforations (9) in its mid-portion (8) between the inlet (6) and outlet (7) portions. There are perforated tubes (12,13) in the annular space (10) between the pipe and the mantle acting as damping chambers.

IPC 8 full level  
**F01N 1/00** (2006.01); **F01N 1/08** (2006.01); **G10K 11/16** (2006.01)

CPC (source: EP)  
**F01N 1/003** (2013.01); **F01N 1/08** (2013.01); **F01N 1/082** (2013.01); **F01N 1/083** (2013.01); **G10K 11/161** (2013.01); **F01N 2470/02** (2013.01); **F01N 2470/04** (2013.01)

Citation (opposition)  
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