

Title (en)
Silencer

Title (de)
Schalldämpfer

Title (fr)
Silencieux

Publication
EP 1873364 A1 20080102 (DE)

Application
EP 06405278 A 20060629

Priority
EP 06405278 A 20060629

Abstract (en)
The suppressor (1) has several chambers partially enclosing a flow channel. The chambers facing back to the flow channel are covered completely by a cover plate (11). The cover plate comprises several slot-like openings (13), which are arranged along the circumference of the flow channel and aligned in the flow direction. Two of the chambers are designed at basic frequency and are arranged at a distance from each other in the flow direction. Independent claims are also included for the following: (1) an internal combustion engine with a resonator silencer (2) a turbo-machine with a resonator silencer.

Abstract (de)
Der Resonatorschalldämpfer (1) weist voneinander beabstandet angeordnete Kammern (12) auf. Die Resonatoreigenschaft lässt sich verbessern, indem die Wechselwirkung zweier auf eine Hauptfrequenz ausgelegte Kammern (12) durch den Abstand reduziert wird. Die Dämpfungsfähigkeit der Gesamtheit der auf eine Hauptfrequenz ausgelegten Kammern kann dadurch gesteigert werden.

IPC 8 full level
F01N 1/02 (2006.01); **F02B 33/44** (2006.01); **F02M 35/12** (2006.01)

CPC (source: EP)
F01N 1/003 (2013.01); **F01N 1/02** (2013.01); **F01N 1/023** (2013.01); **F02B 33/44** (2013.01); **F02M 35/1216** (2013.01); **F02M 35/1266** (2013.01); **F01N 2470/04** (2013.01); **F01N 2490/155** (2013.01); **F02B 37/00** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
DE GB

Designated extension state (EPC)
AL BA HR MK YU

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