

Title (en)
Intake silencer

Title (de)
Ansaugschalldämpfer

Title (fr)
Silencieux d'admission

Publication
EP 1624180 A3 20101124 (DE)

Application
EP 05107100 A 20050801

Priority
DE 102004038216 A 20040805

Abstract (en)
[origin: EP1624180A2] A resonator chamber (23) communicates with a main flow cross-section (14). The separating plane (31) between the top and side walls of a resonator chamber lie outside the wall (15) forming the main flow cross-section.

IPC 8 full level
F02M 35/12 (2006.01)

CPC (source: EP US)
F02M 35/1266 (2013.01 - EP US); **F02M 35/1283** (2013.01 - EP US)

Citation (search report)

- [X] US 4874062 A 19891017 - YANAGIDA KOUICHI [JP], et al
- [X] US 5756945 A 19980526 - MAEDA ITURO [JP], et al
- [X] EP 1403506 A2 20040331 - MANN & HUMMEL GMBH [DE]
- [X] US 5349141 A 19940920 - HORIBE HIDEHIKO [JP], et al
- [X] DE 19931934 A1 20000120 - TOYODA BOSHOKU KK [JP]
- [A] DE 19814772 A1 19991007 - DENKER DIETRICH [DE]

Cited by
EP2602469A1; CN104712472A; DE102012019318A1; US9605631B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1624180 A2 20060208; EP 1624180 A3 20101124; EP 1624180 B1 20111130; AT E535702 T1 20111215; DE 102004038216 A1 20060316; JP 2006046327 A 20060216; US 2006027204 A1 20060209; US 7198017 B2 20070403

DOCDB simple family (application)
EP 05107100 A 20050801; AT 05107100 T 20050801; DE 102004038216 A 20040805; JP 2005177585 A 20050617; US 19455005 A 20050802