

Title (en)
Intake silencer system

Title (de)
Einlassgeräuschkämpfer

Title (fr)
Silencieux d'admission

Publication
EP 0897060 A3 19990908 (EN)

Application
EP 98114749 A 19980805

Priority
• JP 21841697 A 19970813
• JP 21841897 A 19970813

Abstract (en)
[origin: EP0897060A2] The case of an intake silencer system includes a first case half and a second case half coupled to each other at mating faces, with an intake duct clamped between the mating faces. The intake duct opens into a resonant chamber within the case, so that noise is damped by a resonant effect. Three ribs are provided on an inner surface of the first case half, thereby defining four subsidiary silencing chambers each functioning as a side branch for producing a resonant effect to obtain a silencing effect in a wide frequency range. The ribs also contribute to an enhancement in rigidity of the wall surfaces of the case. <IMAGE>

IPC 1-7
F02M 35/12

IPC 8 full level
F02M 35/12 (2006.01)

CPC (source: EP)
F02M 35/1266 (2013.01)

Citation (search report)
• [YA] US 5647314 A 19970715 - MATSUMURA YASUO [JP], et al
• [YA] WO 9717531 A1 19970515 - ACTS LTD [GB], et al
• [A] US 5424494 A 19950613 - HOULE DENNIS E [CA], et al
• [A] US 4109751 A 19780829 - KABELE DENNIS FREDERICK
• [A] US 5541374 A 19960730 - SATO KATSUHISA [JP], et al

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EP1413754A4; EP1132611A1; EP0947674A3; US6213077B1; US6506028B2; US7052248B2; WO0052333A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 0897060 A2 19990217; EP 0897060 A3 19990908; EP 0897060 B1 20030122; CA 2244951 A1 19990213; CA 2244951 C 20010403; CN 1095926 C 20021211; CN 1208120 A 19990217; DE 69810858 D1 20030227; DE 69810858 T2 20030605; MY 121318 A 20060128; TW 366388 B 19990811

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