

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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Designated contracting state (EPC)  
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**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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**EP 98114749 A 19980805**; CA 2244951 A 19980812; CN 98118326 A 19980812; DE 69810858 T 19980805; MY PI9803663 A 19980811; TW 87112751 A 19980803