

Title (en)

AIR INTAKE SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

ANSAUGVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

DISPOSITIF D'ADMISSION POUR MOTEUR A COMBUSTION INTERNE

Publication

EP 0897468 A1 19990224 (DE)

Application

EP 97923023 A 19970507

Priority

- DE 19618432 A 19960508
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Abstract (en)

[origin: DE19618432A1] The invention concern an air intake system for an internal combustion engine. The intaken air passes via an air filter (3) to the internal combustion engine. Within the intake passage an attenuation volume (5) is provided which acts as a Helmholtz resonator. The size of the attenuating volume is such that a given noise frequency range can be attenuated. To achieve optimum noise reduction at least a partial flow of air passes through the attenuation volume (5) and the size of the effective attenuation volume (5) through which the air passes can be varied by reversible switches and valves.

IPC 1-7

F02M 35/12; **F02M 35/14**

IPC 8 full level

F02M 35/10 (2006.01); **F02M 35/12** (2006.01); **F02M 35/14** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 9742408A1

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