

Title (en)

Air intake device for a combustion engine

Title (de)

Luftzuführungseinrichtung für eine Brennkraftmaschine

Title (fr)

Dispositif d'admission d'air pour moteur à combustion

Publication

**EP 1160443 B1 20050810 (DE)**

Application

**EP 01110536 A 20010428**

Priority

DE 10027426 A 20000602

Abstract (en)

[origin: EP1160443A2] The air inlet system for an internal combustion engine has a receptacle(18) through which air passes to influence resonances located in a pipe(14) between an air filter and the air feed unit. The pipe is broken in the region of the receptacle, and a cross section(QB) of the receptacle is larger than the cross section(QR) of sections(20,21) of the pipe leading to the receptacle and connected to its end walls(24,25). The pipe in the region of the receptacle has a curved progression(Vb), and the receptacle has an approximate trapezoidal cross section.

IPC 1-7

**F02M 35/12**; **F02M 35/10**

IPC 8 full level

**F02B 75/24** (2006.01); **F02M 35/10** (2006.01); **F02M 35/12** (2006.01); **F02M 35/14** (2006.01)

CPC (source: EP US)

**F02B 75/243** (2013.01 - EP US); **F02M 35/1233** (2013.01 - EP US); **F02M 35/021** (2013.01 - EP US); **F02M 35/14** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 1160443 A2 20011205**; **EP 1160443 A3 20021127**; **EP 1160443 B1 20050810**; DE 10027426 A1 20011213; DE 10027426 B4 20061214; DE 50107016 D1 20050915; JP 2002004963 A 20020109; US 2002033159 A1 20020321; US 6508219 B2 20030121

DOCDB simple family (application)

**EP 01110536 A 20010428**; DE 10027426 A 20000602; DE 50107016 T 20010428; JP 2001167311 A 20010601; US 87310501 A 20010604