

Title (en)

Inlet conduit of a combustion engine with a throttle system

Title (de)

Ansaugkanal einer Brennkraftmaschine mit einem Drosselsystem

Title (fr)

Canal d'admission d'un moteur à combustion avec un système d'étranglement

Publication

**EP 0599195 B1 19960410 (DE)**

Application

**EP 93118566 A 19931118**

Priority

DE 4239975 A 19921127

Abstract (en)

[origin: EP0599195A1] The intake duct (1) of an internal combustion engine has a venturi-like wall portion (8) with which an axially displaceable throttling element (7) interacts. The throttle system thus represents a venturi nozzle with its favourable flow characteristics. The throttling element (7) is positioned by a variable magnetic field. At the same time, this magnetic field causes the throttling element (7) to perform microvibrational movements, allowing an air-bearing cushion to form between this throttling element (7) and a supporting element (10). Advantageous constructional arrangements are described. <IMAGE>

IPC 1-7

**F02D 9/12**

IPC 8 full level

**F02D 9/12** (2006.01)

CPC (source: EP)

**F02D 9/12** (2013.01)

Cited by

DE102012208045B3; CN104533633A; US7159847B2; WO2005001256A1; US9222403B2; WO2014176505A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 4239975 C1 19940428**; DE 59302189 D1 19960515; EP 0599195 A1 19940601; EP 0599195 B1 19960410

DOCDB simple family (application)

**DE 4239975 A 19921127**; DE 59302189 T 19931118; EP 93118566 A 19931118