

Title (en)

Intake apparatus for internal-combustion engine

Title (de)

Ansaugvorrichtung für eine Brennkraftmaschine

Title (fr)

Dispositif d'admission d'air pour moteur à combustion interne

Publication

**EP 1367243 B1 20110413 (EN)**

Application

**EP 03012447 A 20030530**

Priority

JP 2002195258 A 20020530

Abstract (en)

[origin: EP1367243A2] An intake apparatus (1) wherein no excessive stress-induced strain occurs in an intake air measuring portion of a throttle body (2) and hence accurate intake air control can be performed when the amount of intake air is small is provided. An air duct hose-side engagement portion (9) and an intake manifold-side engagement portion (6) of the throttle body are provided with enlarged-diameter portions (C,A), respectively, which have an inner diameter larger than the inner diameter of the intake air measuring portion. The enlarged-diameter portions have a wall thickness (c) smaller than the wall thickness (b) of the measuring portion. Accordingly, strain is absorbed by the enlarged-diameter portions and cannot reach the measuring portion. Therefore, no excessive stress-induced strain occurs in the measuring portion, and accurate intake air control can be performed when the amount of intake air is small.

IPC 8 full level

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CPC (source: EP)

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