

Title (en)

Power blade for throttle assembly

Title (de)

Gesteuerte Drosselklappe für Drosseleinrichtung

Title (fr)

Papillon commandé pour dispositif d'étranglement

Publication

**EP 1227227 A1 20020731 (EN)**

Application

**EP 01200270 A 20010125**

Priority

EP 01200270 A 20010125

Abstract (en)

A method and apparatus is provided for driving a throttle blade (14) about an axis of rotation (24) between maximum and minimum airflow positions. The throttle assembly includes a throttle body (12) with an airflow passage (18) and a bore (22) intersecting the airflow passage for supporting a throttle shaft (16). The throttle blade is mounted on the throttle shaft for rotation with respect to the shaft between the maximum and minimum airflow positions. The throttle blade has a disc-shaped body (32) with a central bore (34) extending therethrough for receiving a drive mechanism (26). The drive mechanism includes a motor (28) operably connected to a gear drive (30) to move the throttle blade between the maximum and minimum airflow positions. A position sensor (42) is also mounted within the bore to monitor the position of the blade relative to the shaft. <IMAGE>

IPC 1-7

**F02D 9/10**; **F02D 11/10**

IPC 8 full level

**F02D 9/10** (2006.01); **F02D 11/10** (2006.01)

CPC (source: EP)

**F02D 9/101** (2013.01); **F02D 11/10** (2013.01)

Citation (search report)

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- [X] DE 4323785 A1 19940120 - HITACHI LTD [JP], et al
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Designated contracting state (EPC)

DE FR GB

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