

Title (en)

Throttle valve control device for an engine.

Title (de)

Drosselklappen-Betätigungsvorrichtung für einen Motor.

Title (fr)

Dispositif de commande de papillon pour moteur.

Publication

EP 0030022 A1 19810610 (EN)

Application

EP 80107462 A 19801128

Priority

- JP 834780 A 19800129
- JP 15596179 A 19791130

Abstract (en)

A throttle valve control device (27) in an engine of the type, in which a control member having a controlling electric motor (35) is attached to an intake barrel member (21) formed with an intake passage (22) and equipped with a throttle valve (24,24 min) in said intake passage, and in which said throttle valve has its opening controlled by said electric motor (35). A cam disc (33a), drivingly connected with said electric motor (35), is formed with a spiral groove (36) around its center axis and said control member is formed with guide portions (38, 39; 40; 50) extending radially from said cam disc (33a). There is provided a sliding member (37) engaging with said groove (36) and said guide portions. Said sliding member (37) and said throttle valve (24,24 min) are connected by means of a connecting member (41,41 min ,41 sec).

IPC 1-7

F02D 11/10

IPC 8 full level

F02D 11/10 (2006.01)

CPC (source: EP)

F02D 11/10 (2013.01); **F02D 2011/102** (2013.01)

Citation (search report)

- GB 1562630 A 19800312 - BAYERISCHE MOTOREN WERKE AG
- FR 2335753 A1 19770715 - BAYERISCHE MOTOREN WERKE AG [DE]
- GB 988657 A 19650407 - MIZUNO AKIRA
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- US 2680818 A 19540608 - CLARENCE RINGWALD

Cited by

EP0455883A3; EP0455882A3; EP0413081A1; DE3927004A1; EP0170505A3; US4651580A; US6889654B2

Designated contracting state (EPC)

FR

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