

Title (en)
VALVE ARRANGEMENT

Publication
EP 0133445 A3 19850918 (DE)

Application
EP 84103882 A 19840407

Priority
DE 3328950 A 19830811

Abstract (en)
[origin: US4573441A] An improvement is disclosed for a valve arrangement for adjusting the idling speed of an engine of the type having an intake manifold and a throttle valve in the manifold. In this arrangement there is a bypass of the throttle valve, and an electromechanical setting element and a solenoid connected to a closure member for the bypass via a setting member. A return spring biases the setting member in a closing direction and the solenoid can urge the setting member in an opening direction against the force of the return spring. The closure member is urged in the opening direction by pressure on the admission side of the manifold. This admission side is connected to a chamber having a moveable wall connected to the closure member. In accordance with the improvement the chamber is connected to the intake side of the manifold by a connection which includes a valve which is adapted to close the connection during a control process.

IPC 1-7
F02M 3/07

IPC 8 full level
F02M 3/07 (2006.01)

CPC (source: EP US)
F02M 3/075 (2013.01 - EP US); **Y10T 137/87531** (2015.04 - EP US); **Y10T 137/87539** (2015.04 - EP US)

Citation (search report)
• [A] DE 3028898 A1 19820304 - BOSCH GMBH ROBERT [DE]
• [A] US 4355606 A 19821026 - CASEY GARY L
• [A] US 4366835 A 19830104 - AKAGI MOTONOBU [JP], et al
• [A] FR 2510191 A1 19830128 - BOSCH PIERBURG SYSTEM OHG [DE]
• [A] GB 2096239 A 19821013 - BOSCH GMBH ROBERT

Cited by
EP0361846A3; EP0229315A3; US4823750A; US7778088B2

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
EP 0133445 A2 19850227; **EP 0133445 A3 19850918**; **EP 0133445 B1 19871014**; DE 3328950 A1 19850228; DE 3466793 D1 19871119; US 4573441 A 19860304

DOCDB simple family (application)
EP 84103882 A 19840407; DE 3328950 A 19830811; DE 3466793 T 19840407; US 63653084 A 19840801