

Title (en)

SYSTEM FOR REGULATED DOSING OF COMBUSTION AIR INTO AN INTERNAL COMBUSTION ENGINE.

Title (de)

EINRICHTUNG ZUR GESTEUERTEN ZUMESSUNG VON VERBRENNUNGSLUFT IN EINE BRENNKRAFTMASCHINE.

Title (fr)

SYSTEME POUR LE DOSAGE REGULE D'AIR DE COMBUSTION DANS UN MOTEUR A COMBUSTION INTERNE.

Publication

**EP 0326553 B2 19951108 (DE)**

Application

**EP 87905601 A 19870904**

Priority

- DE 8700404 W 19870904
- DE 3631283 A 19860913

Abstract (en)

[origin: WO8802064A1] The system described enables, in the event of failure of the electric actuator (13) on the throttle (11) or of the control or power supply to said actuator, operation in the emergency mode and prevents in a reliable manner the blocking of the throttle (11) in a rest position. A return spring (15) is provided which is permanently meshed with the shaft (12) of the throttle and a preloaded opposing spring (21) with partial meshing with said shaft (12), said springs co-operating with an electromotive actuator (13).

IPC 1-7

**F02D 11/10**

IPC 8 full level

**F02D 9/02** (2006.01); **F02D 9/10** (2006.01); **F02D 11/10** (2006.01); **F02M 19/12** (2006.01)

CPC (source: EP US)

**F02D 11/107** (2013.01 - EP US); **F02M 19/12** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 8802064 A1 19880324**; DE 3631283 A1 19880324; DE 3631283 C2 19991125; DE 3767163 D1 19910207; EP 0326553 A1 19890809; EP 0326553 B1 19901227; EP 0326553 B2 19951108; JP 2865667 B2 19990308; JP H02500677 A 19900308; US 4947815 A 19900814

DOCDB simple family (application)

**DE 8700404 W 19870904**; DE 3631283 A 19860913; DE 3767163 T 19870904; EP 87905601 A 19870904; JP 50512987 A 19870904; US 34780189 A 19890313