

Title (en)  
Automatic choke for carburetors.

Title (de)  
Kaltstartautomatik für Vergaser.

Title (fr)  
Dispositif de starter automatique pour carburateurs.

Publication  
**EP 0113268 A1 19840711 (FR)**

Application  
**EP 83402348 A 19831206**

Priority  
FR 8220455 A 19821207

Abstract (en)  
1. An automatic choke device for a carburettor, of the type comprising an arrangement for controlling a flap member (2a) and a throttle butterfly valve in a carburettor body (1a), said control arrangement essentially comprising rotary levers (8a, 9a) mounted on a shaft (7a), a heatsensitive element (5a) of bimetal strip type, a diaphragm unit (16a) controlled by the pressure obtaining in the intake duct, and a pull member (4a) which is pivoted at one end to a control lever (3a) which is fixed to the shaft (B) of the flap member (2a), characterised in that the first rotary lever (9a) of which one arm (18) is connected to the bimetal member (5a) is connected by way of a spring (11a) to a first arm (20) of the second rotary lever (8a) which is pivoted to the other end of the pull member (4a), the second arm (6a) of the second rotary lever (8a) being engaged with a traction rod (22a) of the diaphragm unit (16a), and that it comprises an adjustable abutment (17) positioned facing the arm (18) of the first rotary lever (9a) so as to limit the rotary movement of the latter in the direction of closure of the flap member (2a).

Abstract (fr)  
Dispositif de starter automatique pour carburateurs, du type comprenant un agencement de commande d'un volet (2a) et d'un papillon de gaz avec des leviers rotatifs (8a, 9a), un bilame (5a) et une boîte à membrane (16a). Suivant l'invention, le premier levier rotatif (9a), dont un bras (18) est lié au bilame (5a), est relié par l'intermédiaire d'un ressort (11a) à un premier bras (20) du deuxième levier rotatif (8a) articulé à un tirant de commande (4a) du volet (2a), le second bras (6a) du deuxième levier rotatif (8a) étant en prise avec une tige de traction (22a) de la boîte à membrane (16a).  
Application: notamment aux starters automatiques donnant une richesse du mélange optimale pour le démarrage.

IPC 1-7  
**F02M 1/10**

IPC 8 full level  
**F02M 1/10** (2006.01)

CPC (source: EP)  
**F02M 1/10** (2013.01)

Citation (search report)  

- FR 2285523 A1 19760416 - PEUGEOT & RENAULT [FR]
- GB 2054049 A 19810211 - PIERBURG GMBH & CO KG
- DE 2525595 A1 19761216 - HONDA MOTOR CO LTD
- EP 0052026 A1 19820519 - RENAULT [FR]
- DE 2446403 A1 19760408 - DAIMLER BENZ AG

Cited by  
CN104215744A; GB2219632A; CN107687378A; US7628387B1

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**EP 0113268 A1 19840711; EP 0113268 B1 19861126**; DE 3367957 D1 19870115; ES 527831 A0 19840801; ES 8406638 A1 19840801; FR 2537212 A1 19840608; FR 2537212 B1 19850412

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