

Title (en)  
A throttle mechanism.

Title (de)  
Ein Drosselmechanismus.

Title (fr)  
Un mécanisme à étranglement.

Publication  
**EP 0628712 A1 19941214 (EN)**

Application  
**EP 94201458 A 19940524**

Priority  
GB 9311882 A 19930609

Abstract (en)  
A throttle mechanism (10) for an engine of a motor vehicle comprising a throttle body (12) having an inner wall (36) defining a bore (38) extending therethrough and an outer wall (40), the bore having a longitudinal axis (X); a shaft (14) extending across the bore and having a longitudinal axis (Y) substantially perpendicular to the longitudinal axis of the bore, the shaft being rotatably mounted in the inner wall of the throttle body for pivotal movement about the longitudinal axis of the shaft, at least one end (42) of the shaft passing through the inner wall to extend beyond the outer wall; a flap valve (16) secured to the shaft inside the bore for movement between a fully open position and a substantially closed position on rotation of the shaft; a lever arm (18) secured to the said at least one end of the shaft adjacent the outer wall; and a throttle linkage (20) pivotally connected to one end of the lever arm and pivotally connected to the outer wall of the throttle body at one or the other of two positions (130,132) which are diametrically opposed relative to the longitudinal axis of the shaft and substantially equidistantly spaced therefrom. <IMAGE> <IMAGE>

IPC 1-7  
**F02D 9/10**; **F02D 11/04**

IPC 8 full level  
**F02D 9/02** (2006.01); **F02D 11/04** (2006.01); **F02M 15/02** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)  
**F02D 9/02** (2013.01); **F02D 11/04** (2013.01); **F02M 15/022** (2013.01); **F02B 2075/025** (2013.01); **F02D 2009/0254** (2013.01); **F02D 2009/0296** (2013.01); **F02D 2400/04** (2013.01); **F05C 2201/021** (2013.01)

Citation (search report)  
• [A] EP 0220572 A1 19870506 - HITACHI LTD [JP]  
• [A] DE 4129043 A1 19930304 - BAYERISCHE MOTOREN WERKE AG [DE]  
• [A] DE 4115323 A1 19911114 - HITACHI LTD [JP], et al

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Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**EP 0628712 A1 19941214**; **EP 0628712 B1 19980408**; DE 69409430 D1 19980514; DE 69409430 T2 19980806; GB 9311882 D0 19930728

DOCDB simple family (application)  
**EP 94201458 A 19940524**; DE 69409430 T 19940524; GB 9311882 A 19930609