

Title (en)
A throttle mechanism.

Title (de)
Drosselmechanismus.

Title (fr)
Mécanisme à étranglement.

Publication
EP 0649981 A1 19950426 (EN)

Application
EP 94202966 A 19941013

Priority
GB 9321630 A 19931020

Abstract (en)
A throttle mechanism (10) for an engine of a motor vehicle comprising a throttle body (12) securable between an air horn (24) and a manifold (22) and having an inner wall (36) defining a bore (38) extending therethrough, the bore having a longitudinal axis (X) an outer wall, a first surface (98) connectable with the air horn, and a second surface (98') connectable with the manifold, the first and second surfaces being planar and substantially parallel to one another; 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; means (18,20) secured to the said at least one end of the shaft adjacent the outer wall for rotating the shaft; and fluid heating means (34) comprising a recess (96) formed in the first surface, a substantially identical recess (96') formed in the second surface, and an inlet pipe (104) and an outlet pipe (106) mounted on the air horn or the manifold and fluidly connecting with one of the recesses by way of bores (100,102) passing through the air horn or the manifold to allow fluid to pass through the inlet pipe into the recess and out through the outlet pipe. <IMAGE> <IMAGE>

IPC 1-7
F02M 15/02

IPC 8 full level
F02M 15/02 (2006.01)

CPC (source: EP)
F02M 15/022 (2013.01)

Citation (search report)
• [YA] US 3916859 A 19751104 - FOSSUM GUST S
• [Y] FR 2606115 A1 19880506 - PEUGEOT [FR], et al
• [A] US 2603199 A 19520715
• [A] GB 960523 A 19640610 - SIBE
• [A] US 2684058 A 19540720 - BOYCE LEONARD D
• [A] PATENT ABSTRACTS OF JAPAN vol. 12, no. 352 (M - 744) 21 September 1988 (1988-09-21)

Designated contracting state (EPC)
DE FR IT

DOCDB simple family (publication)
EP 0649981 A1 19950426; EP 0649981 B1 19980812; DE 69412417 D1 19980917; DE 69412417 T2 19981224; GB 2283057 A 19950426; GB 2283057 B 19961204; GB 9321630 D0 19931208; GB 9420546 D0 19941130

DOCDB simple family (application)
EP 94202966 A 19941013; DE 69412417 T 19941013; GB 9321630 A 19931020; GB 9420546 A 19941012