

Title (en)
Improved throttle modulation mechanism.

Title (de)
Drosselklappenstellvorrichtung.

Title (fr)
Dispositif de positionnement pour papillon.

Publication
EP 0114467 A2 19840801 (EN)

Application
EP 83307224 A 19831128

Priority
• US 45354182 A 19821227
• US 45354282 A 19821227
• US 45354482 A 19821227

Abstract (en)
A throttle modulation mechanism (10) disposed between a throttle pedal (28) and a fuel control device (12) varies speed and torque of an unshown engine. Mechanism is operable during shifting modes of an unshown transmission driven by the engine to dip and boost fuel delivery to the engine for synchronizing the transmission and/or reducing shifting shocks. Mechanism (10), which is controlled by a transmission logic (14), includes first and second levers (16, 20) interconnected for slaved movement by a torsion spring and fluid actuated cylinders (38, 40) which respectively dip and boost the throttle in response to logic signals applied to solenoid valves (50, 64). A transducer (24), mechanically connected to first lever (16), provides an electrical signal representative of throttle pedal position. Torsion spring (22) includes ends (22b, 22c) preloaded toward each other and clamping levers (16, 20 or 106) into a predetermined relationship.

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F02D 29/02; B60K 41/06

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EP 0114467 A2 19840801; EP 0114467 A3 19850522; BR 8307026 A 19840731; ES 528330 A0 19841216; ES 8502213 A1 19841216

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EP 83307224 A 19831128; BR 8307026 A 19831221; ES 528330 A 19831222