

Title (en)
Dual acting - double breakover throttle lever.

Title (de)
Gashebel mit zweifacher Sicherheitsstellung.

Title (fr)
Lever d'accélérateur à double position de sécurité.

Publication
EP 0381050 B1 19940608 (EN)

Application
EP 90101476 A 19900125

Priority
US 30105789 A 19890125

Abstract (en)
[origin: EP0381050A1] A failure-proof dual acting - double breakover throttle lever is provided to maintain control over engine throttling in the event of failure of the vehicle throttle control or related structures. The throttle lever assembly (50) is operatively positioned between an operator-actuated throttle control and the engine fuel supply system. A throttle link lever (56) mounted for pivotal movement relative to the throttle lever (54) is actuated by the throttle control to cause the throttle lever to rotate a throttle shaft (52) between preset full throttle and idle positions. The throttle lever (54) and the link lever (56) include integrally formed tabs (55, 57) which hold a coiled torsion spring (70) positioned to resist breakover, thereby normally maintaining the assembly in an axially aligned operating position. Double breakover stops (82, 84) formed integrally on the link lever (56, 74) are provided to limit the breakover travel of the link lever to predetermined limits by positively contacting the throttle shaft in the event that the breakover mechanism is activated.

IPC 1-7
F02D 11/04

IPC 8 full level
F02D 9/02 (2006.01); **F02D 11/02** (2006.01); **F02D 11/04** (2006.01)

CPC (source: EP)
F02D 11/04 (2013.01)

Cited by
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DE GB

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EP 0381050 A1 19900808; **EP 0381050 B1 19940608**; DE 69009508 D1 19940714; DE 69009508 T2 19940922; JP 2593947 B2 19970326; JP H02245432 A 19901001

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EP 90101476 A 19900125; DE 69009508 T 19900125; JP 1592690 A 19900125