

Title (en)  
PEDAL RETURN ARRANGEMENT

Publication  
**EP 0322785 A3 19900214 (EN)**

Application  
**EP 88121579 A 19881223**

Priority  
GB 8730207 A 19871229

Abstract (en)  
[origin: EP0322785A2] An accelerator pedal return arrangement for an automotive vehicle with an electronic engine management system has a pedal position sensor, suitably in the form of a potentiometer, adapted to be connected to a voltage source (15) and providing an output voltage or current at a terminal (12), dependant upon the position of the pedal, for controlling the speed of the engine. One or more springs (4, 4A) are provided to return the pedal to a predetermined rest position when released after being depressed, the or each spring (4, 4A) being of electrically conducting material and included in a supervisory circuit, an electrical resistor (16, 16A) being provided connected in parallel with the or each spring (4, 4A), the arrangement being such that if a spring (4, 4A) breaks, electric current flowing in the supervisory circuit from the source (15) to the pedal position sensor then flows through the resistor (4, 4A) and the magnitude of the current is thereby reduced, whereby the speed of the engine is reduced to a safe level.

IPC 1-7  
**F02D 11/10; F02M 19/12**

IPC 8 full level  
**F02D 11/10** (2006.01)

CPC (source: EP)  
**F02D 11/107** (2013.01)

Citation (search report)  
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• [Y] EP 0228327 A1 19870708 - GOULET MICHEL  
• [A] EP 0202764 A2 19861126 - CRYSTALATE ELECTRONICS [GB]  
• [A] EP 0192962 A1 19860903 - HITACHI LTD [JP]  
• [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 86 (M-131)[964], 25th May 1982; & JP-A-57 024 437 (NISSAN JIDOSHA K.K.) 09-02-1982

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Designated contracting state (EPC)  
DE ES FR IT SE

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**EP 0322785 A2 19890705; EP 0322785 A3 19900214; EP 0322785 B1 19910911**; DE 3864806 D1 19911017; ES 2024621 B3 19920301; GB 2214305 A 19890831; GB 2214305 B 19920108; GB 8730207 D0 19880203

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