

Title (en)
Method and system for controlling an engine.

Title (de)
Verfahren und Vorrichtung zum Regeln eines Motors.

Title (fr)
Méthode et dispositif de contrôle d'un moteur.

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Application
EP 85302273 A 19850401

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Abstract (en)
An engine of a construction vehicle is controlled by a system which includes an engine control operation transmitting mechanism having a loose spring means and connecting a fuel control lever (7) and a governor control lever (3). A decelerator cylinder (9) accommodating a piston therein and having a spring for biasing the piston against the operation of a pressure chamber defined therein has the piston rod connected through a yoke (8) having an elongate hole formed therein to said transmitting mechanism. A solenoid valve (12) is arranged selectively to supply fluid under pressure delivered by a hydraulic pump (13) driven by the engine for exclusive use in control of the system into the pressure chamber of the decelerator cylinder, and to cut off the fluid supply. An electric circuit (16) controls the solenoid valve. The decelerator cylinder is so arranged that, when the piston is not subjected to the fluid pressure force, the operation of the fuel control lever is directly transmitted to the governor control lever, whilst, when the piston is subjected to the fluid pressure force, the governor control lever is set at a decelerating position even when the fuel control lever is held at a full speed running position, thereby reducing the rate of revolution of the engine to an idling speed condition.

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Citation (search report)
• [A] FR 2272434 A1 19751219 - BOCQUEZ ANDRE [FR]
• [A] FR 1350085 A 19640124 - VENISSIEUX ATEL
• [A] US 1753617 A 19300408 - NEWTON JOSEPH B
• [A] US 2954705 A 19601004 - JACK SCHILLINGER
• [A] US 3748417 A 19730724 - MORINO H, et al
• [A] US 4053018 A 19771011 - TAKEDA TASHIRO
• [A] FR 2325811 A1 19770422 - CITROEN SA [FR]

Cited by
EP0774546A1; EP0353799A1; EP0249138A3; EP0285281A1; FR2620150A1; EP0306532A4; CN103261643A; GB2221775A; GB2221775B; FR2596807A1; EP0214633A1; US4697418A; CN101531191A; EP2101054A3; WO8904422A1

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