

Title (en)

Engine preheat controller.

Title (de)

Vorwärmsteuerungsgerät für einen Motor.

Title (fr)

Commande de préchauffage de moteur.

Publication

EP 0209968 A1 19870128 (EN)

Application

EP 86303812 A 19860520

Priority

GB 8513221 A 19850524

Abstract (en)

Compression ignition engine starting system includes one or more fast acting non-self-limiting electrically powered glow plugs (10) for fast cylinder warm up and actuating means including a current sensor (14) responsive to the level of current consumed by the plugs (which level is a function of their temperature), a comparator (18) determining whether the current exceeds a predetermined level and, if it does, bringing into operation a timer (20) which passes current to the plugs for successive spaced limited periods only while they are above a given temperature to avoid overheating them.

IPC 1-7

F02P 19/02

IPC 8 full level

F02P 19/02 (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

F02P 19/025 (2013.01); **F02B 3/06** (2013.01); **F02P 19/022** (2013.01)

Citation (search report)

- [X] DE 2743059 A1 19790405 - BERU WERK RUPRECHT GMBH CO A
- [A] PATENTS ABSTRACTS OF JAPAN, vol. 7, no. 163 (M-229)[1308], 16th July 1983; & JP - A - 58 70 060 (HITACHI SEISAKUSHO K.K.) 26-04-1983
- [A] PATENTS ABSTRACTS OF JAPAN, vol. 8, no. 270 (M-344)[1707], 11th December 1984; & JP - A - 59 141 770 (TOYOTA JIDOSHA K.K.) 14-08-1984
- [A] PATENTS ABSTRACTS OF JAPAN, vol. 8, no. 224 (M-331)[1661], 13th October 1984; & JP - A - 59 105 971 (TOYOTA JIDOSHA K.K.) 19-06-1984

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EP0288085A3

Designated contracting state (EPC)

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