

Title (en)

Method for adjusting the full load injection quantity of a diesel engine

Title (de)

Verfahren zur Regelung der Vollast-einspritzmenge einer Dieselmotormaschine

Title (fr)

Méthode pour régler le quantité d'injection pour pleine charge d'un moteur diesel

Publication

EP 0839998 A3 19991215 (DE)

Application

EP 97118792 A 19971029

Priority

DE 19645389 A 19961104

Abstract (en)

[origin: EP0839998A2] The Diesel engine has a set full load injection volume when stationary, which is used when accelerating from no-load/low-load condition. In a first unsteady phase, the fuel load volume is increased from its stationary level to an excess level. In a second time-limited phase, the volume is maintained on the excess level, and reduced to the stationary level at the end of this phase. In a third phase, the full load volume, at stationary level, is supplied to the Diesel engine in the conventional manner. The phase are controlled by a computer, using internal engine calculations.

IPC 1-7

F02D 41/38

IPC 8 full level

F02D 31/00 (2006.01); **F02D 41/10** (2006.01); **F02D 41/38** (2006.01)

CPC (source: EP US)

F02D 31/009 (2013.01 - EP US); **F02D 41/10** (2013.01 - EP US); **F02D 41/38** (2013.01 - EP US)

Citation (search report)

- [X] US 4643151 A 19870217 - YAMAUCHI TERUO [JP], et al
- [PX] EP 0768456 A2 19970416 - BOSCH GMBH ROBERT [DE]
- [AD] US 5009210 A 19910423 - NAKAGAWA TOYOAKI [JP], et al
- [A] DE 19540061 C1 19961002 - DAIMLER BENZ AG [DE]

Cited by

EP0922845A3

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

DE 19645389 C1 19980326; BR 9705411 A 19990928; DE 59708814 D1 20030109; EP 0839998 A2 19980506; EP 0839998 A3 19991215; EP 0839998 B1 20021127; MX 9708477 A 19980830; US 5894829 A 19990420

DOCDB simple family (application)

DE 19645389 A 19961104; BR 9705411 A 19971104; DE 59708814 T 19971029; EP 97118792 A 19971029; MX 9708477 A 19971104; US 96421397 A 19971104