

Title (en)
Combustion control of an internal combustion engine

Title (de)
Verbrennungsregelung für eine Brennkraftmaschine

Title (fr)
Procédé de contrôle de la combustion pour un moteur à combustion interne

Publication
EP 1279802 B1 20080319 (FR)

Application
EP 02291797 A 20020717

Priority
• FR 0110148 A 20010727
• US 20050502 A 20020723

Abstract (en)
[origin: EP1279802A1] Curves (A,A') show the pressure and energy release against crankshaft angle for a diesel/air/recirculated exhaust fuel mixture which has about 70% exhaust gas. If a smaller proportion (60%) of recirculated exhaust gas is used and 1-8 cubic mm of fuel is injected at about 15 degrees before top dead center the slow oxidation period is extended (OL2) and the pressure and energy curves (B,B') are almost identical to the previous results. An Independent claim is also included for equipment to control auto ignition by fuel injection during slow oxidation phase.

IPC 8 full level
F02B 1/12 (2006.01); **F02D 41/30** (2006.01); **F02B 7/02** (2006.01); **F02B 47/08** (2006.01); **F02D 21/08** (2006.01); **F02D 41/02** (2006.01); **F02D 41/38** (2006.01); **F02D 43/00** (2006.01); **F02M 25/07** (2006.01)

CPC (source: EP KR US)
F02B 1/12 (2013.01 - EP US); **F02B 7/02** (2013.01 - EP US); **F02B 47/08** (2013.01 - EP US); **F02D 41/30** (2013.01 - KR); **F02D 41/3041** (2013.01 - EP US); **F02D 41/3047** (2013.01 - EP US)

Cited by
FR2876744A1; FR2899283A1; EP1653068A3; US7293544B2; WO2005047666A1; EP1653068A2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

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