

Title (en)  
Starting Control System for Diesel Engine

Title (de)  
Anlassteuerungssystem für Dieselmotor

Title (fr)  
Système de commande de démarrage pour moteur diesel

Publication  
**EP 2535556 A1 20121219 (EN)**

Application  
**EP 12172005 A 20120614**

Priority  
JP 2011132160 A 20110614

Abstract (en)  
In a starting control system for a diesel engine, which performs control of a starting parameter that changes a starting timing of an engine (1), while energizing a glow plug (5) during a period from switching of an engine switch (22) to "Ignition On" to switching to "Starter On", a required glow waiting time as an energization time of the glow plug (5) required for the temperature of the glow plug (5) to increase to a level suitable for starting of the engine (1) is compared with an actual glow waiting time as an actual energization time of the glow plug (5) from switching of the engine switch (22) to "Ignition On" to switching to "Starter On", and the starting parameter is controlled according to a result of the comparison.

IPC 8 full level  
**F02D 41/06** (2006.01); **F02N 11/08** (2006.01); **F02P 19/02** (2006.01)

CPC (source: EP)  
**F02D 41/062** (2013.01); **F02P 19/02** (2013.01); **F02D 41/3845** (2013.01); **F02D 41/403** (2013.01); **F02D 2200/021** (2013.01); **F02N 11/08** (2013.01); **F02P 19/021** (2013.01)

Citation (applicant)  
JP S61275586 A 19861205 - NGK SPARK PLUG CO, et al

Citation (search report)  
• [X] GB 2323631 A 19980930 - KEENE DAVID MARTIN [GB], et al  
• [A] US 6164258 A 20001226 - PETROVICH PAUL A [US], et al  
• [A] US 2007240663 A1 20071018 - HIRAMATSU HIROMI [JP]

Cited by  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2535556 A1 20121219**; **EP 2535556 B1 20210512**; JP 2013002322 A 20130107; JP 5333524 B2 20131106

DOCDB simple family (application)  
**EP 12172005 A 20120614**; JP 2011132160 A 20110614