

Title (en)

Method for starting an internal combustion engine

Title (de)

Verfahren zum Starten einer Brennkraftmaschine

Title (fr)

Méthode pour démarrer un moteur à combustion interne

Publication

EP 1464831 B1 20080319 (DE)

Application

EP 03100842 A 20030331

Priority

EP 03100842 A 20030331

Abstract (en)

[origin: EP1464831A1] In a start-up process for an automotive piston engine, one or more cylinders is pre-charged with additional oxygen as compared with that present in ambient air, and/or a supplementary source of oxygen is provided. An independent claim is also included for a commensurate automotive power-plant.

IPC 8 full level

F02N 99/00 (2010.01); **F02B 47/06** (2006.01); **F02B 47/10** (2006.01); **F02D 21/02** (2006.01); **F02D 21/06** (2006.01); **F02M 25/10** (2006.01); **F02M 25/12** (2006.01); **F02N 19/00** (2010.01); **F02D 41/00** (2006.01); **F02D 41/06** (2006.01)

CPC (source: EP)

F02B 47/06 (2013.01); **F02B 47/10** (2013.01); **F02M 25/10** (2013.01); **F02M 25/12** (2013.01); **F02N 19/001** (2013.01); **F02N 99/006** (2013.01); **F02D 41/0025** (2013.01); **F02D 41/062** (2013.01)

Cited by

CN115247589A; JP2015158182A; US7210472B2; CN114000941A; US10947896B1; US10947895B1; JP2017512279A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1464831 A1 20041006; EP 1464831 B1 20080319; DE 50309408 D1 20080430

DOCDB simple family (application)

EP 03100842 A 20030331; DE 50309408 T 20030331