

Title (en)

Method for controlling the ignition primary current of a spark ignition internal combustion engine

Title (de)

Verfahren zur Steuerung des Primärstroms eines Zündsystems einer fremdgezündeten Brennkraftmaschine

Title (fr)

Procédé de contrôle du courant primaire d'allumage d'un moteur à combustion interne à allumage commandé

Publication

EP 1469197 B1 20070124 (FR)

Application

EP 04008309 A 20040406

Priority

FR 0304834 A 20030417

Abstract (en)

[origin: EP1469197A1] The method involves measuring a current intensity (Ici) of an inductive circuit, in last tenth of a preset conduction time (tdi). Current intensity (Ifi) at the end of the time (tdi) is estimated based on the intensity (Ici). The time (tdi) is corrected for an ignition cycle during which a last intensity is measured based on the estimated intensity and a desired current intensity (Ii) at the end of the time (tdi).

IPC 8 full level

F02P 3/045 (2006.01); **F02P 3/05** (2006.01); **F02P 3/055** (2006.01)

CPC (source: EP US)

F02P 3/0456 (2013.01 - EP US); **F02P 3/051** (2013.01 - EP US); **F02P 3/0554** (2013.01 - EP US)

Cited by

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DE GB IT SE

DOCDB simple family (publication)

EP 1469197 A1 20041020; **EP 1469197 A8 20041222**; **EP 1469197 B1 20070124**; DE 602004004433 D1 20070315; DE 602004004433 T2 20070606; FR 2853941 A1 20041022; FR 2853941 B1 20070209; US 2004206344 A1 20041021; US 6883508 B2 20050426

DOCDB simple family (application)

EP 04008309 A 20040406; DE 602004004433 T 20040406; FR 0304834 A 20030417; US 80829004 A 20040325