

Title (en)
Ignition device for a combustion engine

Title (de)
Zündeinrichtung für eine Brennkraftmaschine

Title (fr)
Dispositif d'allumage pour moteur à combustion interne

Publication
EP 1854997 A3 20080521 (DE)

Application
EP 07006780 A 20070331

Priority
AT 8192006 A 20060512

Abstract (en)
[origin: EP1854997A2] The device has a controlling unit (12) and an ignition coil (3) that includes a primary side (15) fed by a voltage supply. The controlling unit interrupts or reduces the voltage applied to the primary side, when an amount of magnetic induction on the primary side exceeds a preset maximum value. The maximum value of the amount of magnetic induction lies below the saturated area of the ignition coil. The controlling unit determines the amount of magnetic induction on the primary side of the ignition coil.

IPC 8 full level
F02P 3/045 (2006.01); **F02P 3/05** (2006.01); **F02P 3/055** (2006.01); **F02P 9/00** (2006.01)

CPC (source: EP US)
F02P 3/051 (2013.01 - EP US); **F02P 3/0554** (2013.01 - EP US); **F02P 9/007** (2013.01 - EP US)

Citation (search report)

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- [Y] US 6283104 B1 20010904 - ITO TAKASHI [JP], et al
- [Y] DE 10034725 A1 20010215 - DELPHI TECH INC [US]
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- [Y] DE 4303030 A1 19930902 - COLTEC IND INC [US]
- [A] WO 9013742 A1 19901115 - CUMBUSTION ELECTROMAGNETICS [US]
- [A] ANONYMOUS: "Capacitor discharge ignition system having extended burn time", RESEARCH DISCLOSURE, MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 333, no. a, January 1992 (1992-01-01), XP007117219, ISSN: 0374-4353

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1854997 A2 20071114; **EP 1854997 A3 20080521**; **EP 1854997 B1 20110202**; AT 504010 A1 20080215; AT 504010 B1 20081015; AT E497582 T1 20110215; DE 502007006409 D1 20110317; ES 2360526 T3 20110606; PL 1854997 T3 20110729; US 2008011281 A1 20080117; US 7644707 B2 20100112

DOCDB simple family (application)
EP 07006780 A 20070331; AT 07006780 T 20070331; AT 8192006 A 20060512; DE 502007006409 T 20070331; ES 07006780 T 20070331; PL 07006780 T 20070331; US 79020907 A 20070424