

Title (en)
IGNITION DEVICE

Publication
EP 0200010 B1 19911218 (DE)

Application
EP 86104406 A 19860401

Priority
DE 3513422 A 19850415

Abstract (en)
[origin: ES8706903A1] An ignition system having a low voltage source serving as a starting point for producing of an ignition voltage at least one ignition spark gap via at least one ignition branch, said branch including a said ignition spark gap, a high voltage capacitor, a high voltage transformer for producing a voltage at the high voltage capacitor of at least the same order of magnitude as said ignition voltage, an auxiliary spark gap having a breakdown threshold, and timing control means for controlling voltage delivery timing to said branch wherein said auxiliary spark gap is disposed at an output side of said high voltage transformer and said high voltage capacitor is coupled to said auxiliary spark gap in a manner causing the high voltage capacitor to discharge to said ignition spark gap when the breakdown threshold of the auxiliary spark gap is exceeded wherein the high voltage transformer has minimum inductances and minimum impedances wherein a medium voltage transformer for producing a voltage between the low voltage and the ignition voltage and a medium voltage storage capacitor that is chargeable by said medium voltage transformer are provided between the low voltage source and the high voltage transformer and wherein a controllable element is provided in said branch at an input side of said high voltage transformer, said controllable element being controlled by the timing control means in a manner operable for separating and interconnecting said high voltage transformer and said medium voltage storage capacitor.

IPC 1-7
F02P 3/08; **F02P 7/02**; **F02P 9/00**

IPC 8 full level
F02P 15/00 (2006.01); **F02P 3/08** (2006.01); **F02P 7/02** (2006.01); **F02P 7/03** (2006.01); **F02P 9/00** (2006.01)

CPC (source: EP US)
F02P 3/0884 (2013.01 - EP US); **F02P 7/035** (2013.01 - EP US); **F02P 9/002** (2013.01 - EP US); **F02P 9/007** (2013.01 - EP US)

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Cited by
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EP 0200010 A1 19861105; **EP 0200010 B1 19911218**; AT E70598 T1 19920115; BR 8601692 A 19861216; DD 245702 A5 19870513; DE 3513422 A1 19861218; DE 3513422 C2 19931028; ES 553995 A0 19870701; ES 8706903 A1 19870701; IN 166150 B 19900317; JP S61241465 A 19861027; US 4727891 A 19880301

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