

Title (en)
IGNITION DEVICE FOR AN INTERNAL-COMBUSTION ENGINE

Publication
EP 0268528 B1 19920219 (FR)

Application
EP 87402524 A 19871109

Priority
FR 8616348 A 19861118

Abstract (en)
[origin: EP0268528A1] Ignition device for an internal combustion engine using so-called "lean" air-fuel mixtures suitable for the application of a high voltage electrical power source to the terminals of a spark plug, which source is capable of instantaneously delivering the electrical current necessary for ignition and good combustion of the mixture. This device, in the high voltage circuit, comprises a means of asymmetrical bi-directional conduction, series connected to the spark plug (1), this means of asymmetrical bi-directional conduction comprising a thyristor TH1 and a Zener diode DZ1 connected in parallel to the thyristor but directly energised in the opposite direction to that in which the thyristor is conducting, this Zener diode also being connected to the gate of the thyristor. <IMAGE>

IPC 1-7
F02P 9/00; H01T 15/00

IPC 8 full level
F02P 9/00 (2006.01); **H01T 15/00** (2006.01)

CPC (source: EP)
F02P 9/002 (2013.01); **H01T 15/00** (2013.01)

Citation (examination)
US 4411247 A 19831025 - KUNITA SHIZUO [JP], et al

Cited by
DE4117808A1; DE3936174A1; FR2835886A1; WO03067078A1

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EP 0268528 A1 19880525; EP 0268528 B1 19920219; DE 3776759 D1 19920326; FR 2606833 A1 19880520; FR 2606833 B1 19890224

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