

Title (en)
WATCH CIRCUIT OF THE HIGH VOLTAGE IN AN IGNITION DEVICE

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EP 0389775 A3 19910515 (DE)

Application
EP 90102944 A 19900215

Priority
DE 3909906 A 19890325

Abstract (en)
[origin: EP0389775A2] The invention relates to a circuit for monitoring a high-voltage ignition system of an internal combustion engine of a motor vehicle or the like for shunts and/or short circuits, having a series circuit formed from the primary winding of an ignition coil and from an interruptor and connected to a supply voltage or battery voltage. It proposes, in particular for a catalytic converter protection function, that a measurement arrangement (11) which detects the primary current (i) of the ignition coil (2) and converts this current into a corresponding test voltage (UPr) be used, which measurement arrangement (11) has an evaluation circuit (10) which compares the test voltage (UPr) with the voltage supply (Uv) and issues a fault report when the test voltage (UPr) is too large in comparison with the supply voltage (Uv). <IMAGE>

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F02P 11/06 (2006.01); **F02P 17/00** (2006.01); **F02P 17/12** (2006.01)

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F02P 17/12 (2013.01 - EP US)

Citation (search report)
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• US 3942102 A 19760302 - KUHN KLAUS ROLAND, et al
• EP 0344349 A1 19891206 - BOSCH GMBH ROBERT [DE]
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• [A] PATENT ABSTRACTS OF JAPAN, Band 9, Nr. 139 (M-387)[1862], 14. Juni 1985; & JP-A-60 19 962 (NIPPON DENSO K.K.) 01-02-1985

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EP0502549A3; US5672972A; EP0654604A1; FR2712934A1; WO9221876A1

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