

Title (en)

Watch circuit of the high voltage in an ignition device.

Title (de)

Schaltungsanordnung zur Überwachung einer Hochspannungszündanlage.

Title (fr)

Circuit pour la surveillance de la haute tension dans une installation d'allumage.

Publication

**EP 0389775 B1 19950531 (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>

IPC 1-7

**F02P 17/00**; F02P 11/06

IPC 8 full level

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

CPC (source: EP US)

**F02P 17/12** (2013.01 - EP US)

Citation (examination)

DE 3629824 A1 19880310 - TELEFUNKEN ELECTRONIC GMBH [DE]

Cited by

EP0502549A3; US5672972A; EP0654604A1; FR2712934A1; WO9221876A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0389775 A2 19901003**; **EP 0389775 A3 19910515**; **EP 0389775 B1 19950531**; DE 3909906 A1 19900927; DE 59009172 D1 19950706; ES 2073464 T3 19950816; US 5027073 A 19910625

DOCDB simple family (application)

**EP 90102944 A 19900215**; DE 3909906 A 19890325; DE 59009172 T 19900215; ES 90102944 T 19900215; US 48678690 A 19900301