

Title (en)

Power line impedance testing appliance, and its use in a pyrotechnical device firing test.

Title (de)

Prüfanordnung für die Leistungslinienimpedanz und deren Anwendung für Zündtester von pyrotechnischen Mitteln.

Title (fr)

Dispositif de test de l'impédance d'une ligne de puissance et son application au test d'amorces de moyens pyrotechniques.

Publication

**EP 0296015 A1 19881221 (FR)**

Application

**EP 88401366 A 19880606**

Priority

FR 8708266 A 19870615

Abstract (en)

This device makes it possible to test at least one power line comprising an electrical charge connected to a power stage capable of feeding it with a high nominal direct current. It comprises: - direct-current generating means (205, 207) capable of circulating in said line (Li) a test direct current (Im) of low value in relation to the nominal current, - an electrical dipole (Di) connected in said power line and capable of generating a constant offset voltage bringing the power stage (10i) to saturation when the test direct current passes through the charge (Rci), - means (206, 208) for measuring the voltage drop at the terminals of the power line, and - means (209-213) for processing the result of said voltage measurement. The invention is used for testing the primers of electrically ignited pyrotechnic means. <IMAGE>

IPC 1-7

**F42C 21/00**; G01R 31/02

IPC 8 full level

**F42C 21/00** (2006.01); **F42D 1/05** (2006.01)

CPC (source: EP)

**F42C 21/00** (2013.01); **F42D 1/05** (2013.01)

Citation (search report)

- [Y] EP 0061860 A1 19821006 - AECI LTD [ZA]
- [Y] FR 2568408 A1 19860131 - PORSCHE AG [DE]
- [A] US 2976485 A 19610321 - BARTZ MELVIN C
- [A] FR 2117345 A5 19720721 - RHEINMETALL GMBH

Cited by

EP0611944A1; CN103017608A; WO2005005921A1; WO2022084338A1

Designated contracting state (EPC)

DE ES GB IT SE

DOCDB simple family (publication)

**EP 0296015 A1 19881221**; **EP 0296015 B1 19920129**; DE 3868150 D1 19920312; ES 2029893 T3 19921001; FR 2616548 A1 19881216; FR 2616548 B1 19891201

DOCDB simple family (application)

**EP 88401366 A 19880606**; DE 3868150 T 19880606; ES 88401366 T 19880606; FR 8708266 A 19870615