

Title (en)
Ignition device with two electrodes for a spark gap and corresponding methods

Title (de)
Zündvorrichtung mit zwei Elektroden für Funkenstrecke und entsprechende Verfahren

Title (fr)
Dispositif d'amorçage à deux électrodes pour éclateur et procédés correspondants

Publication
EP 1887667 B2 20140122 (FR)

Application
EP 07356113 A 20070809

Priority
FR 0607316 A 20060811

Abstract (en)
[origin: EP1887667A1] The component has two main electrodes (2, 3) arranged so as to form a spark-gap (4), and trigger elements (10, 11) distinct from the main electrodes. The trigger elements are arranged such that a disruptive discharge (12) appears between the trigger elements to cause a sparkover of an electric arc (6) between the electrodes. The trigger elements are formed by auxiliary electrodes (14, 15). The elements extend in an inter-electrode space (5) that separates the main electrode (2) from the main electrode (3). Independent claims are also included for the following: (1) a method for triggering an electric component (2) a method for manufacturing an electric component.

IPC 8 full level
H01T 2/02 (2006.01); **H01T 1/14** (2006.01)

CPC (source: EP)
H01T 1/14 (2013.01); **H01T 2/02** (2013.01)

Citation (opposition)
Opponent :

- DE 155413 C
- CH 486788 A 19700228 - BBC BROWN BOVERI & CIE [CH]
- DE 2005988 A1 19710902 - GEN ELECTRIC
- DE 2530852 A1 19760219 - MITSUBISHI ELECTRIC CORP, et al
- DD 147174 A1 19810318 - SAPICH DIETER, et al
- EP 0933860 A1 19990804 - PHOENIX CONTACT GMBH & CO [DE]

Cited by
DE102017218584B4; CN110391648A; CN102769253A; DE102017218584A1; CN109687292A; CN102299484A; US2016079026A1; CN105428174A; US10043629B2; EP2998976B1

Designated contracting state (EPC)
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