

Title (en)
Continuous combustion spark plug.

Title (de)
Zündkerze für Dauerverbrennung.

Title (fr)
Bougie d'allumage pour combustion continue.

Publication
EP 0085409 A1 19830810 (EN)

Application
EP 83100775 A 19830127

Priority
JP 1256982 U 19820202

Abstract (en)
A continuous combustion spark plug for use in an internal combustion engine is provided. The spark plug includes positive center electrode (1) and a check valve box (9) which are molded within an insulator (3). A negative electrode (2) extends from a metal fitting (4) which is affixed to one end of the insulator (3). The positive electrode (1) has an air passageway extending through it. The check valve box (9) includes at least one air introduction port (15) and an adjusting valve (13) disposed between the introduction port (15) and the air passageway of the positive electrode (1) to control and vary the air flow through the air passageway. An air filter (6 and 7) is disposed around the air introduction port (15), and a rotor (5) is disposed about the check valve box (9) to cooperate with an electrical current source to enable continuous combustion in the engine.

IPC 1-7
H01T 13/20; **H01T 13/40**

IPC 8 full level
F02P 13/00 (2006.01); **F02B 23/08** (2006.01); **F02B 29/00** (2006.01); **H01T 13/16** (2006.01); **H01T 13/40** (2006.01)

CPC (source: EP)
H01T 13/16 (2013.01); **H01T 13/40** (2013.01)

Citation (search report)

- [Y] GB 2077851 A 19811223 - KASAI KOTOO
- [Y] DE 627655 C 19360320 - PIERRE LEON ALBY
- [A] DE 2811049 A1 19780921 - NGK SPARK PLUG CO
- [A] US 4325332 A 19820420 - HUKILL CHARLES A
- [A] DE 249208 C
- [A] US 1360561 A 19201130
- [A] GB 418159 A 19341019 - GEORGE MARCEL WENDLING, et al

Cited by
US10119398B2; WO2011009451A3

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0085409 A1 19830810; JP S58127127 U 19830829

DOCDB simple family (application)
EP 83100775 A 19830127; JP 1256982 U 19820202