

Title (en)

Center electrode with noble metal reinforcement

Title (de)

Mittelektrode mit Edelmetallarmierung

Title (fr)

Electrode centrale munie d'un armement en métal noble

Publication

EP 1158632 B1 20040414 (DE)

Application

EP 01102256 A 20010131

Priority

DE 10025048 A 20000523

Abstract (en)

[origin: JP2002008820A] PROBLEM TO BE SOLVED: To provide an intermediate electrode with long expected practical service life, favorable cold-startability, and low demand voltage even after a long time of engine operation. SOLUTION: The intermediate electrode has an ignition tip 2a tapered with respect to an intermediate electrode body 1/2. A noble metal wire 3 having a cross section corresponding to the ignition tip is flatly welded to the ignition tip 2a, and the noble metal wire 3 is cut at a desired height H so as to provide a sharp edge. An alloy part 6 may be formed by soldering a contact part of the ignition tip 2a and a cut piece 3a of the noble metal wire 3 from outside by radiation soldering, or favorably laser soldering.

IPC 1-7

H01T 21/02; **H01T 13/39**

IPC 8 full level

H01T 13/20 (2006.01); **H01T 13/39** (2006.01); **H01T 21/02** (2006.01)

CPC (source: EP US)

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