

Title (en)

Spark plug ignition coil assembly for direct ignition system

Title (de)

Zündkerze-und-Spulensatz für direktes Zündsystem

Title (fr)

Ensemble de bobine et de bougie d'allumage pour système d'allumage intégré

Publication

**EP 0987435 A3 20020619 (EN)**

Application

**EP 99117884 A 19990910**

Priority

JP 25969798 A 19980914

Abstract (en)

[origin: EP0987435A2] A spark plug and ignition coil assembly for a direct ignition system is provided. The assembly comprises a spark plug having an insulator, the insulator having a hollow upper end portion having at an outer periphery thereof a first joining section, an ignition coil, a rubber molding embedding therein the ignition coil so as to cooperate with the ignition coil to constitute an integral unit, the rubber molding having a hollow lower end portion in which the upper end portion of the insulator is fitted, the lower end portion of the rubber molding having at an inner periphery thereof a second joining section joined with the first engagement section, and fastening means for fastening the first and second joining sections together. The fastening means comprises a projection provided to one of the first and second joining sections and a recess provided to the other of the first and second joining sections. <IMAGE>

IPC 1-7

**F02P 3/02**

IPC 8 full level

**F02P 13/00** (2006.01); **F02P 3/02** (2006.01); **H01T 13/04** (2006.01)

CPC (source: EP)

**F02P 3/02** (2013.01)

Citation (search report)

- [A] US 5682865 A 19971104 - MAEKAWA TOSHIO [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 044 (M - 455) 21 February 1986 (1986-02-21)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 09 31 July 1998 (1998-07-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 012, no. 296 (M - 731) 12 August 1988 (1988-08-12)

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WO2018234095A1; US6675785B2; US7017566B2; US6698411B2; WO2013172771A1; US10164410B2

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