

Title (en)

METHOD FOR MANUFACTURING SPARK PLUG FOR INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ZÜNDKERZE FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

PROCÉDÉ DE PRODUCTION DE BOUGIE D'ALLUMAGE POUR MOTEUR À COMBUSTION INTERNE

Publication

**EP 3001519 B1 20190501 (EN)**

Application

**EP 14801406 A 20140521**

Priority

- JP 2013106942 A 20130521
- JP 2014063507 W 20140521

Abstract (en)

[origin: EP3001519A1] A method of manufacturing a spark plug 1 in which at least one of a center electrode 2 and a ground electrode 3 includes a discharge chip 5. In a chip making step, the discharge chip 5 is made by joining a discharge part 51 arranged on a spark discharge gap 11 side and a base member-joining part 52 that is made of a material having a lower melting point than the discharge part 51 and to be joined to an electrode base member 30. In a temporary joining step, the discharge chip 5 is temporarily joined, at the base member-joining part 52, to the electrode base member 30 by resistance welding. In a main joining step, the discharge chip 5 is joined, by laser welding, to the electrode base member 30 so that a side surface 511 of the discharge part 51 and a surface 31 of the electrode base member 30 are smoothly connected by a connecting surface 523 that has no sharp edge.

IPC 8 full level

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