

Title (en)

METHOD FOR MANUFACTURING SPARK PLUG AND DEVICE FOR MANUFACTURING SPARK PLUG

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ZÜNDKERZE UND VORRICHTUNG ZUR HERSTELLUNG EINER ZÜNDKERZE

Title (fr)

PROCEDE DE FABRICATION DE BOUGIE D'ALLUMAGE ET DISPOSITIF DE FABRICATION DE BOUGIE D'ALLUMAGE

Publication

EP 2337172 A4 20131113 (EN)

Application

EP 09818919 A 20090924

Priority

- JP 2009004795 W 20090924
- JP 2008260047 A 20081006

Abstract (en)

[origin: EP2337172A1] Even after a metallic shell and an insulator are assembled together, a ground electrode can be bent at a position closer to the proximal end thereof, and a spark discharge gap can be formed accurately. A bending apparatus 51 used in a process of manufacturing a spark plug includes a pre-bending apparatus 61, a main bending apparatus 71, and a gap adjustment apparatus 81. The pre-bending apparatus 61 includes first deformation prevention means which has a curved surface portion corresponding to a bent shape of the ground electrode and prevents deformation of the ground electrode, and a roller which presses the ground electrode against the curved surface portion to thereby perform pre-bending work on the ground electrode. The main bending apparatus 71 includes second deformation prevention means for preventing deformation of the ground electrode, and pressing means for performing main bending work on the ground electrode. The gap adjustment apparatus 81 includes gap adjustment means for relatively moving a distal end portion of the ground electrode in relation to the center electrode along a direction perpendicular to an axis.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] US 2005039332 A1 20050224 - ODA SYUSHI [JP], et al
- [Y] JP 2005243260 A 20050908 - NGK SPARK PLUG CO
- [Y] US 2005042965 A1 20050224 - ODA SYUSHI [JP], et al
- See references of WO 2010041379A1

Designated contracting state (EPC)

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