

Title (en)

Method for manufacturing a spark plug and corresponding spark plug

Title (de)

Herstellungsverfahren einer Zündkerze und übereinkommende Zündkerze

Title (fr)

Procédé de fabrication de bougie d'allumage et bougie correspondante

Publication

EP 1304783 A1 20030423 (EN)

Application

EP 01125016 A 20011020

Priority

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Abstract (en)

A method for manufacturing a spark plug to be mounted in a combustion chamber and a corresponding spark plug is proposed, wherein the spark plug comprises a ceramic insulator 12 and a metal housing 5. In a first step the insulator is placed in a through hole of the housing, wherein the rotational axis 11 of the insulator and the rotational axis 6 of the housing are parallel. The insulator is placed in the through hole of the housing so that a first washer seat (121) of the insulator is placed adjacent to an inner washer seat (51) of the housing thereby forming a first seal. In a second step a force consisting of axial and radial components is applied to a rim (52) of the housing using a curling tool (41) in order to deform the rim and to press it against a second washer seat (122) of the insulator forming a second seal. In a first step a radial force supplied to at least one section of the housing between the first seal and the second seal using a radial force tool (43) causing a dent (55) in the housing. <IMAGE>

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CPC (source: EP)

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Citation (search report)

- [XA] US 3594883 A 19710727 - BRAY STEWART V
- [A] US 3451110 A 19690624 - BRAY STEWART V

Cited by

EP1931002A4; US8237343B2

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