

Title (en)

Method for producing the sealing seat with injection holes of a fuel injector

Title (de)

Verfahren zur Herstellung des Dichtungssitzes mit Einspritzlöchern für eine Kraftstoffeinspritzdüse

Title (fr)

Procédé de fabrication d'un siège de scellement avec des trous d'injection d'un injecteur de carburant

Publication

**EP 2199593 A1 20100623 (EN)**

Application

**EP 08425800 A 20081217**

Priority

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Abstract (en)

Method for producing the sealing seat (11) of a fuel injector (1) for an internal-combustion engine, the sealing seat (11) having a plurality of injection holes (3); the method comprises the steps of: mixing plastic binder with a powdered metal so as to obtain a homogeneous compound; injecting, in order to form the sealing seat (11), the homogeneous compound into a mould (14) that reproduces in negative the shape of the sealing seat (11); obtaining within the mould (14) a plurality of punches (15) that reproduce in negative at least partially the shape of the injection holes (3) in such a way as to form within the mould (14) the sealing seat (11), which already presents the injection holes (3); and subjecting the sealing seat (11) to a thermal treatment to eliminate the plastic binder and sinter the powdered metal.

IPC 8 full level

**F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP)

**F02M 61/168** (2013.01); **F02M 61/1806** (2013.01)

Citation (search report)

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- [A] DE 4404021 A1 19950810 - BOSCH GMBH ROBERT [DE]
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Designated extension state (EPC)

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