Title (en)

NOZZLE NEEDLE FOR AN INJECTOR FOR INJECTING FUEL INTO CYLINDER COMBUSTION CHAMBERS OF AN INTERNAL COMBUSTION ENGINE, AND AN INJECTOR COMPRISING SUCH A NOZZLE NEEDLE

Title (de)

DÜSENNADEL FÜR EINEN INJEKTOR ZUR EINSPRITZUNG VON KRAFTSTOFF IN ZYLINDERBRENNRÄUME EINER BRENNKRAFTMASCHINE UND INJEKTOR MIT SOLCH EINER DÜSENNADEL

Title (fr)

AIGUILLE D'INJECTION POUR UN INJECTEUR SERVANT À L'INJECTION DE CARBURANT DANS DES CHAMBRES DE COMBUSTION CYLINDRIQUES D'UNE MACHINE À COMBUSTION INTERNE ET INJECTEUR ÉQUIPÉ D'UNE TELLE AIGUILLE D'INJECTION

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Application

EP 12815670 A 20121219

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Abstract (en)

[origin: WO2013098163A1] The invention relates to a nozzle needle (1) and an injector (2) comprising such a nozzle needle (1), as well as to a production method for producing said nozzle needle (1). This nozzle needle (1) for an injector (2) for injecting fuel comprises at least one guiding section (11, 13) with a recess (21) and a guiding surface (14, 15, 16) designed to rest against an inner surface (30) of a nozzle body (3) of the injector (2), said recess (21) at least partially delimiting the guiding surface (14, 15, 16) and being designed to allow a flow of fuel along the guiding section (11, 13), and said guiding surface (14, 15, 16) being guided about the longitudinal axis (10) of the nozzle needle (1) in a helical manner.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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