

Title (en)

HIGH-PRESSURE PUMP AND METHOD FOR THE SAME

Title (de)

HOCHDRUCKPUMPE UND VERFAHREN ZUM BETREIBEN EINER HOCHDRUCKPUMPE

Title (fr)

POMPE HAUTE PRESSION ET METHODE DE FONCTIONNEMENT DE CELLE-CI

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2012107151A1] The invention relates to a high pressure pump (1), in particular for a motor vehicle, for conveying a fluid, in particular fuel, for example diesel fuel, comprising a drive shaft (2) having at least one cam (3), at least one piston (5), at least one cylinder (6) for supporting the at least one piston (5), and at least one cam roller (10). The at least one piston (5) is indirectly supported on the drive shaft (2) with the at least one cam (3) by means of the at least one cam roller (10) so that, based on a rotational movement of the drive shaft (2), a translational movement can be executed by the at least one piston (5). The invention further comprises at least one roller shoe (9) having a sliding bearing greased with a lubricant for the at least one cam roller (10) so that a rotational movement around an axis of rotation (25) can be executed by the at least one cam roller (10). At least one axial end segment of the at least one cam roller (10) is provided with blades (16) so that the at least one cam roller (10) forms a rotor for the blades (16) in order to convey the lubricant to an axial sliding bearing of the at least one cam roller (10) on the at least one roller shoe (9).

IPC 8 full level

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