

Title (en)

METHOD TO MANUFACTURE A COMMON RAIL

Title (de)

VERFAHREN ZUR COMMON-RAIL-HERSTELLUNG

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE RAMPE COMMUNE

Publication

**EP 3253962 A1 20171213 (EN)**

Application

**EP 16702735 A 20160203**

Priority

- GB 201501987 A 20150206
- EP 2016052315 W 20160203

Abstract (en)

[origin: WO2016124660A1] A method for manufacturing a common rail (12) adapted to be arranged in a fuel injection system, the common rail (12) having a body (18) provided with a bore (28) defining an internal volume (V), said body (18) extending along a main axis (X) from a first extremity (22) having a first threaded female recess (30) to, a second extremity (26) having a second threaded female recess (44), the bore (28) opening at both ends in one of the recesses (30, 44), the method (100) comprising the steps of a first autofrettage step (130) of said bore (28), an autofrettage fluid (AF) being pressurized to a first pressure (P1) in the bore (28) during this first step (130) and, second autofrettage step (140) for treating the first female threaded recess (30), the autofrettage fluid (AF) being pressurized to a second pressure (P2) in the first recess (30) during this second step (140).

IPC 8 full level

**F02M 55/02** (2006.01); **C21D 7/12** (2006.01); **F02M 61/16** (2006.01)

CPC (source: CN EP)

**C21D 7/12** (2013.01 - CN EP); **F02M 55/025** (2013.01 - CN EP); **F02M 61/168** (2013.01 - EP); **F02M 2200/8053** (2013.01 - CN EP); **F02M 2200/9061** (2013.01 - CN EP)

Citation (search report)

See references of WO 2016124660A1

Cited by

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2016124660 A1 20160811**; CN 107223164 A 20170929; EP 3253962 A1 20171213; GB 201501987 D0 20150325

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**EP 2016052315 W 20160203**; CN 201680009041 A 20160203; EP 16702735 A 20160203; GB 201501987 A 20150206