

Title (en)

FUEL INJECTION TUBE FOR DIESEL ENGINE

Title (de)

KRAFTSTOFFEINSPRITZLEITUNG FÜR DIESELMOTOR

Title (fr)

TUBE D'INJECTION DE CARBURANT POUR MOTEUR DIESEL

Publication

EP 2420666 A4 20120314 (EN)

Application

EP 10764480 A 20100414

Priority

- JP 2010056683 W 20100414
- JP 2009099411 A 20090415

Abstract (en)

[origin: EP2420666A1] Problem to be solved Provided is a diesel engine fuel injection pipe configured such that an orifice member is fixed inside of one end or the vicinity of the end of the injection pipe, wherein the orifice member is provided by a fixing means capable of withstanding extra-high fluid pressure. Solving Means A diesel engine fuel injection pipe comprising an orifice member having an outside diameter smaller than or substantially equal to the diameter of a pipe conduit in the diesel engine fuel injection pipe, inside of at least one end or the vicinity of the end of the injection pipe, the end having a connection head with a conical or spherical seat surface, and a fastening nut; wherein the orifice member is fixedly wedged by a reduced diameter portion of the pipe conduit in the injection pipe.

IPC 8 full level

F02M 55/02 (2006.01)

CPC (source: EP)

B21D 41/00 (2013.01); **B21D 53/84** (2013.01); **F02M 55/005** (2013.01); **F02M 55/02** (2013.01); **F02M 55/04** (2013.01); **F02M 61/168** (2013.01); **F02M 2200/28** (2013.01); **F02M 2200/315** (2013.01); **F02M 2200/8053** (2013.01)

Citation (search report)

- [X] DE 202004019820 U1 20060427 - BOSCH GMBH ROBERT [DE]
- [XI] FR 2802246 A1 20010615 - USUI KOKUSAI SANGYO KK [JP]
- See references of WO 2010119896A1

Cited by

CN103410645A; KR20180032430A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

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EP 10764480 A 20100414; JP 2010056683 W 20100414; JP 2011509317 A 20100414