

Title (en)
Structure for securing injectors

Title (de)
Sicherungsstruktur für Injektoren

Title (fr)
Structure de fixation d'injecteurs

Publication
EP 2902617 A1 20150805 (EN)

Application
EP 14198754 A 20141218

Priority
JP 2014015618 A 20140130

Abstract (en)
A structure (100) for securing injectors includes a first clamp (10) and a second clamp (20) arranged to face each other with a plurality of injectors (1,2) interposed therebetween, a pinching and holding member (40) arranged between two adjacent ones of the injectors (1, 2) to pinch and hold the first clamp (10) and the second clamp (20), and a fastening member (45) that fastens the pinching and holding member (40) to the top of a cylinder head. Consequently, space can be saved in the structure for securing injectors.

IPC 8 full level
F02M 61/14 (2006.01)

CPC (source: EP)
F02M 61/14 (2013.01); **F02M 2200/803** (2013.01); **F02M 2200/85** (2013.01)

Citation (applicant)
• JP 2014015618 A 20140130 - CARGILL INC
• JP H09144629 A 19970603 - ISUZU MOTORS LTD

Citation (search report)
• [XY] EP 2578868 A1 20130410 - SCHAEFFLER TECHNOLOGIES AG [DE]
• [X] CN 203308630 U 20131127 - CHONGQING SOKON IND GROUP CO LTD
• [Y] EP 0751290 A1 19970102 - ISUZU MOTORS LTD [JP]
• [A] CN 101865063 A 20101020 - DONGFENG CHAOYANG DIESEL ENGINE
• [A] FR 2771140 A1 19990521 - PEUGEOT [FR]
• [A] US 2011073076 A1 20110331 - LAZICH IVAN M [US]
• [A] US 4096998 A 19780627 - SIWAK EUGENIUSZ, et al

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US10190557B2

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2902617 A1 20150805; EP 2902617 B1 20160907; JP 2015140783 A 20150803; JP 5929938 B2 20160608

DOCDB simple family (application)
EP 14198754 A 20141218; JP 2014015618 A 20140130