

Title (en)
Injector, fuel cup and holder

Title (de)
Injektor, Kraftstoffzulaufbecher sowie Halter

Title (fr)
Injecteur, gobelet pour l'alimentation en carburant et support

Publication
EP 1892408 A1 20080227 (EN)

Application
EP 06017359 A 20060821

Priority
EP 06017359 A 20060821

Abstract (en)
A Holder (4) for fixing an injector (2) to a fuel cup (6) comprises a bottom portion (31), a notch of the holder (4), an injector recess (33), and at least one elastic element (14,16). The notch of the holder (4) is arranged for engaging the notch of the holder (4) to a notch (26) of the fuel cup (6). The injector recess (33) in the bottom portion (31) of the holder (4) is formed in the bottom portion (31) of the holder (4) for taking in the injector (2). The injector recess (33) of the holder (4) is formed and arranged in such a way that the holder (4) may be fixed to the injector (2) at the injector recess (33) of the holder (4) by a positive connection. The elastic element (14,16) is arranged at the bottom portion (31) of the holder (4) for forcing the injector (2) away from the fuel cup (6).

IPC 8 full level
F02M 55/00 (2006.01); **F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)
F02M 61/14 (2013.01); **F02M 61/167** (2013.01); **F02M 69/465** (2013.01); **F02M 55/025** (2013.01); **F02M 2200/16** (2013.01); **F02M 2200/8023** (2013.01); **F02M 2200/856** (2013.01)

Citation (applicant)
EP 0969204 A2 20000105 - DAIMLER CHRYSLER AG [DE]

Citation (search report)
• [X] WO 03054383 A1 20030703 - BOSCH GMBH ROBERT [DE], et al
• [X] WO 0042315 A1 20000720 - SIEMENS AUTOMOTIVE CORP LP [US]
• [XA] WO 03038267 A1 20030508 - BOSCH GMBH ROBERT [DE], et al
• [A] JP 2004245169 A 20040902 - MITSUBISHI MOTORS CORP
• [A] EP 1373708 A1 20040102 - BOSCH GMBH ROBERT [DE]

Cited by
JP2010168964A; DE102010017725B4; EP2388469A1; JP2013050109A; WO2011144411A1; US8997717B2; DE102013221933B4; JP2010168965A; DE102013221934B4; CN109661514A; KR20140059296A; EP2832986A1; US2013192565A1; US9115679B2; CN109113906A; US2013220277A1; CN103291517A; US9212641B2; EP3508716A1; EP2824312A1; KR20150007263A; US2015128908A1; US9982642B2; CN102884305A; US2013074951A1; US9970401B2; US11204008B2; US10047711B2; US10539105B2; DE102017209820B4; WO2015039789A1; WO2015014595A1; WO2016102676A1; WO2008134250A1; US10047712B2; US7802560B2; DE102013203027B4; US2011232609A1; DE102011001465B4; EP3805621A1; CN112696523A; US9546627B2; US9874187B2; US11459989B2; EP2221469A1; KR20100094427A; CN101806267A; EP2492489A1; US2012247426A1; CN102734027A; US2013220276A1; CN103291516A; JP2013174227A; CN103807073A; EP2860388A1; US9032934B2; CN104564470A; US9109563B2; JP2013174228A; US9435303B2; US8408184B2; US9506438B2; US9938948B2; EP3640470A1; JP2014092098A

Designated contracting state (EPC)
DE FR IT

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1892408 A1 20080227; **EP 1892408 B1 20091021**; DE 602006009926 D1 20091203

DOCDB simple family (application)
EP 06017359 A 20060821; DE 602006009926 T 20060821