

Title (en)
DEVICE AND METHOD FOR RETURN PRESSURE ADJUSTMENT FOR AN INJECTOR

Title (de)
VORRICHTUNG UND VERFAHREN ZUR RÜCKLAUFDROPKEINSTELLUNG FÜR EINEN INJEKTOR

Title (fr)
DISPOSITIF ET PROCÉDÉ DE RÉGLAGE DE LA PRESSION DE RETOUR D'UN INJECTEUR

Publication
EP 3642472 A1 20200429 (DE)

Application
EP 18728098 A 20180528

Priority
• DE 102017210147 A 20170619
• EP 2018063886 W 20180528

Abstract (en)
[origin: WO2018233980A1] The invention relates to a device (10) for return pressure adjustment for an injector (12), comprising a return line (14) having a first end (14a) at which a return outlet opening (12a) of the injector (12) can be directly or indirectly attached such that a return amount (16) of the injector (12) flows from the first end (14a) of the return line (14) to a second end (14b) of the return line (14), and comprising at least one valve (20) by means of which a return pressure can be adjusted at least between the first end (14a) of the return line (14) and the valve (20) in the return line (14), wherein the device (10) has an electrically adjustable throttle valve (20) as the valve (20). The invention also relates to a return block for injectors (12), a measuring device for measuring injection amounts and/or return amounts for at least one injector (12), and a test rig for at least one injector (12). The invention further relates to a method for return pressure adjustment in at least one injector (12).

IPC 8 full level
F02M 63/02 (2006.01); **F02D 41/38** (2006.01); **F02M 37/00** (2006.01); **F02M 47/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP RU)
F02D 41/38 (2013.01 - RU); **F02D 41/3863** (2013.01 - EP); **F02M 37/00** (2013.01 - RU); **F02M 47/02** (2013.01 - EP RU); **F02M 63/00** (2013.01 - RU); **F02M 63/0052** (2013.01 - EP); **F02M 63/0056** (2013.01 - EP); **F02M 63/02** (2013.01 - RU); **F02M 63/023** (2013.01 - EP); **F02M 63/0235** (2013.01 - EP); **F02M 65/001** (2013.01 - EP); **F02M 65/006** (2013.01 - EP)

Citation (search report)
See references of WO 2018233980A1

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

DOCDB simple family (publication)
DE 102017210147 A1 20181220; BR 112019026976 A2 20200630; BR 112019026976 B1 20230411; CN 110945232 A 20200331; CN 110945232 B 20220304; EP 3642472 A1 20200429; EP 3642472 B1 20210707; RU 2020100580 A 20210720; RU 2020100580 A3 20211018; RU 2770084 C2 20220414; WO 2018233980 A1 20181227

DOCDB simple family (application)
DE 102017210147 A 20170619; BR 112019026976 A 20180528; CN 201880053536 A 20180528; EP 18728098 A 20180528; EP 2018063886 W 20180528; RU 2020100580 A 20180528