

Title (en)

METHOD AND DEVICE FOR INDICATING THE POSITION OF HYDRAULICALLY ACTIVATED ARMATURES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STELLUNGSANZEIGE VON HYDRAULISCH BETÄTIGTEN ARMATUREN

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR L'INDICATION DE POSITION D'ACCESSOIRES DE ROBINETTERIE À COMMANDE HYDRAULIQUE

Publication

**EP 2203649 A1 20100707 (DE)**

Application

**EP 08801637 A 20080820**

Priority

- EP 2008006856 W 20080820
- DE 102007042757 A 20070907

Abstract (en)

[origin: WO2009033553A1] The invention relates to a method for indicating the position of a hydraulically activated armature, comprising an actuating cylinder (1.2) for activating the armature (1.1), said actuating cylinder being connected by at least one pressure medium line (2, 3) to a control valve (4.1) by means of which the pressure medium line may be switched between a pressure-conducting forward flow and a pressure-free return flow, wherein the flow through the pressure medium line is converted into a number of electrical pulses and the number of pulses reflecting the flow is processed in a program of a display unit (6) such that the number of pulses occurring in the case of a predetermined control path with a pressure-free flow in the pressure medium line is calculated as the same control path when the pressure medium line is connected as a pressure line.

IPC 8 full level

**F15B 15/28** (2006.01)

CPC (source: EP US)

**F15B 15/2838** (2013.01 - EP US)

Citation (search report)

See references of WO 2009033553A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**WO 2009033553 A1 20090319**; BR PI0816481 A2 20150317; BR PI0816481 B1 20200602; CN 101889147 A 20101117; CN 101889147 B 20131120; DE 102007042757 A1 20090326; DK 2203649 T3 20131209; EP 2203649 A1 20100707; EP 2203649 B1 20131009; ES 2435590 T3 20131220; HK 1150644 A1 20120106; HR P20140014 T1 20140131; JP 2010538224 A 20101209; JP 5305110 B2 20131002; KR 101255416 B1 20130417; KR 20100051740 A 20100517; MY 161970 A 20170531; PL 2203649 T3 20140331; PT 2203649 E 20131121; RU 2010113508 A 20111020; RU 2478838 C2 20130410; US 2010282067 A1 20101111; US 8939061 B2 20150127

DOCDB simple family (application)

**EP 2008006856 W 20080820**; BR PI0816481 A 20080820; CN 200880114911 A 20080820; DE 102007042757 A 20070907; DK 08801637 T 20080820; EP 08801637 A 20080820; ES 08801637 T 20080820; HK 11104685 A 20110512; HR P20140014 T 20140108; JP 2010523298 A 20080820; KR 20107007335 A 20080820; MY PI2010000981 A 20080820; PL 08801637 T 20080820; PT 08801637 T 20080820; RU 2010113508 A 20080820; US 67688408 A 20080820