

Title (en)
OIL DRAIN PLUG

Title (de)
ÖLABLASSSCHRAUBE

Title (fr)
VIS DE VIDANGE D'HUILE

Publication
EP 3081773 A1 20161019 (DE)

Application
EP 16161047 A 20160318

Priority
DE 102015205941 A 20150401

Abstract (en)
[origin: CN205895357U] The utility model relates to a have oil drain cock valve (10) of axial hollow hole (20), it can be used for the oil of discharging to react as oil spilling portion simultaneously. This oil drain cock valve has to be arranged and is arranged in oil drain cock valve screw in to the screw portion section of actuator casing and the cylinder somatic part section that is connected to screw portion section to and have the axial hollow hole who runs through and have at least one and externally go here and there the ring magnets in the cylinder somatic part section. The external conjugate diameter in cylinder somatic part section region of oil drain cock valve is lighter than the external conjugate diameter in screw portion section region of oil drain cock valve. The utility model discloses still relate to an actuator casing that has this kind of oil drain cock valve.

Abstract (de)
Die Erfindung ist eine Ölablassschraube (10) mit einer axialen Hohlbohrung (20), die zum Ablassen von Öl verwendbar ist und gleichzeitig als Ölüberlauf fungiert.

IPC 8 full level
F01M 11/04 (2006.01)

CPC (source: EP)
F01M 11/0408 (2013.01); **F01M 2001/1042** (2013.01); **F01M 2011/0416** (2013.01); **F01M 2011/0433** (2013.01)

Citation (applicant)
• US 2358612 A 19440919 - ACKER GEORGE H
• US 5588502 A 19961231 - BEDI RAM D [US], et al
• US 3800914 A 19740402 - MIYATA S

Citation (search report)
• [Y] JP 2006234042 A 20060907 - FUJI HEAVY IND LTD
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• [Y] DE 102014012085 A1 20150312 - DAIMLER AG [DE]
• [Y] US 6558541 B1 20030506 - MORRISON GEORGE E [US]
• [A] US 2010018589 A1 20100128 - SUZUKI TAKENORI [JP], et al
• [A] KR 20060063084 A 20060612 - HYUNDAI MOTOR CO LTD [KR]

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US11486278B2

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 3081773 A1 20161019; EP 3081773 B1 20181205; CN 205895357 U 20170118; DE 102015205941 A1 20161006; ES 2714599 T3 20190529; PL 3081773 T3 20190531

DOCDB simple family (application)
EP 16161047 A 20160318; CN 201620249555 U 20160329; DE 102015205941 A 20150401; ES 16161047 T 20160318; PL 16161047 T 20160318