

Title (en)

A LUBRICATION OIL PUMP, A CYLINDER LUBRICATING SYSTEM, AND AN INTERNAL COMBUSTION ENGINE

Title (de)

SCHMIERMITTELPUMPE, ZYLINDERSCHMIERVORRICHTUNG UND BRENNTKRAFTMASCHINE

Title (fr)

POMPE DE LUBRIFICATION, CIRCUIT DE LUBRIFICATION DE CYLINDRE ET MOTEUR À COMBUSTION INTERNE

Publication

**EP 2435671 A2 20120404 (EN)**

Application

**EP 10728144 A 20100527**

Priority

- EP 2010057318 W 20100527
- EP 09161426 A 20090528
- EP 10728144 A 20100527

Abstract (en)

[origin: WO2010136525A2] The invention relates to a lubrication oil pump (1) for dosing a pre-settable amount of a cylinder lubrication oil (2) to a lubricating quill-opening of a cylinder of an internal combustion engine, in particular a two stroke large diesel engine. Said lubrication oil pump (1) comprising a housing (3) with a main hydraulic cylinder section (4) having a first axial end surface (5) and a second axial end surface (6), and further comprising a primary piston section (7) within the hydraulic cylinder section (4). According to the invention, the primary piston section (7) includes an injection bore (8) for receiving an injection piston (9) in such a way, that the injection bore (8) and the injection piston (9) arranged therein form a lubricating volume (V) for dosing the pre-settable amount of the cylinder lubrication oil (2) und are relatively movable with respect to each other along a cylinder axis (10). In addition, the invention relates to a cylinder lubricating arrangement and an internal combustion engine with a lubricating arrangement according to the invention.

IPC 8 full level

**F01M 1/02** (2006.01); **F16N 13/04** (2006.01)

CPC (source: EP KR)

**F01M 1/02** (2013.01 - EP KR); **F04B 17/05** (2013.01 - KR); **F04B 23/06** (2013.01 - KR); **F01M 2001/023** (2013.01 - EP KR)

Citation (search report)

See references of WO 2010136525A2

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2010136525 A2 20101202; WO 2010136525 A3 20110421**; CN 102449276 A 20120509; CN 102449276 B 20141231; DK 2435671 T3 20190114; EP 2435671 A2 20120404; EP 2435671 B1 20180919; JP 2012528265 A 20121112; JP 5852561 B2 20160203; KR 101735850 B1 20170515; KR 20120014126 A 20120216

DOCDB simple family (application)

**EP 2010057318 W 20100527**; CN 201080022811 A 20100527; DK 10728144 T 20100527; EP 10728144 A 20100527; JP 2012512375 A 20100527; KR 20117024666 A 20100527