

Title (en)
CONTROLLED FEEDING SYSTEM

Title (de)
GESTEUERTES ZUFUHRSYSTEM

Title (fr)
SYSTEME D'ALIMENTATION REGULEE

Publication
EP 1781906 A1 20070509 (EN)

Application
EP 05748634 A 20050614

Priority
• DK 2005000386 W 20050614
• DK PA200400958 A 20040618

Abstract (en)
[origin: WO2005124112A1] There is described a dosing system for cylinder lubrication oil for large diesel motors, e.g. in marine engines. The system has a supply pipe and a return pipe provided with each their valve (3, 27), and which are connected with a central supply pump. This comprises a number of injection units that are connected with the said pipes. Each unit comprises a number of injection nozzles for injecting at least one compact lubricating oil jet on the cylinder surface in an associated cylinder, as atomisation of the lubricating oil jet through the injection nozzle is avoided to the greatest possible extent, a piston (1) provided at a rearmost part of the nozzle rod, and a controllable motor (37) which via a screw (33) is connected with the piston (1) in order thereby to adjust the pump stroke/position of the piston (1). Furthermore, the system comprises a central computer for controlling the valves (3, 27) and the motor (37) so that precise control of the amount of oil and precise timing are achieved.

IPC 8 full level
F01M 1/08 (2006.01); **F01M 1/16** (2006.01); **F01M 3/04** (2006.01)

CPC (source: EP KR)
F01M 1/08 (2013.01 - EP KR); **F01M 1/16** (2013.01 - KR); **F01M 3/04** (2013.01 - KR); **F01M 2001/083** (2013.01 - EP)

Citation (search report)
See references of WO 2005124112A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005124112 A1 20051229; CN 101915140 A 20101215; CN 1997812 A 20070711; DK 200400958 A 20051219; EP 1781906 A1 20070509; JP 2008502836 A 20080131; JP 3161566 U 20100805; KR 200466383 Y1 20130419

DOCDB simple family (application)
DK 2005000386 W 20050614; CN 200580024579 A 20050614; CN 201010254922 A 20050614; DK PA200400958 A 20040618; EP 05748634 A 20050614; JP 2007515777 A 20050614; JP 2010002809 U 20100427; KR 20107000011 U 20050614