

Title (en)
Large diesel engine

Title (de)
Grossdieselmotor

Title (fr)
Grand moteur diesel

Publication
EP 2177720 B1 20140409 (DE)

Application
EP 09169466 A 20090904

Priority
• EP 08166804 A 20081016
• EP 09169466 A 20090904

Abstract (en)
[origin: EP2177720A1] The engine (1) has a piston (3) arranged in a cylinder (2) along a running surface (21). A lubrication system (5) is provided for lubricating the cylinder and comprises two lubricating points (6). A lubricant is applied to the running surface via the points. A lubricant supply (8) conveys the lubricant from a lubricant reservoir (10) to the points. The lubricant supply exhibits a pump nozzle unit (7) that is arranged at the points. The nozzle unit comprises a pump (72) that is connected with the points, so that the nozzle unit supplies lubricant to the points.

IPC 8 full level
F01M 1/02 (2006.01); **F01M 1/08** (2006.01); **F01M 1/14** (2006.01)

CPC (source: CN EP)
F01M 1/02 (2013.01 - CN EP); **F01M 1/08** (2013.01 - CN EP); **F01M 1/14** (2013.01 - EP); **F01M 2001/023** (2013.01 - CN); **F01M 2001/0253** (2013.01 - CN); **F01M 2001/083** (2013.01 - CN EP)

Cited by
WO2019114904A1; DE102013002743B4; EP3724466A4; EP2395208A1; DE102013002744B4; EP3212985A4; EP3724464A4

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2177720 A1 20100421; **EP 2177720 B1 20140409**; CN 101725385 A 20100609; CN 105888766 A 20160824; DK 2177720 T3 20140630; JP 2010096181 A 20100430; JP 2015025457 A 20150205; JP 5676869 B2 20150225; KR 101602303 B1 20160310; KR 20100042605 A 20100426; RU 2009138193 A 20110420; RU 2505685 C2 20140127

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EP 09169466 A 20090904; CN 200910208245 A 20091015; CN 201610238385 A 20091015; DK 09169466 T 20090904; JP 2009238348 A 20091015; JP 2014217713 A 20141024; KR 20090098227 A 20091015; RU 2009138193 A 20091015