

Title (en)  
PUMP ASSEMBLY

Title (de)  
PUMPENANORDNUNG

Title (fr)  
ENSEMBLE DE POMPE

Publication  
**EP 3073110 A1 20160928 (EN)**

Application  
**EP 16157228 A 20160224**

Priority  
GB 201504999 A 20150325

Abstract (en)  
A high pressure pump, comprising a lubrication and cooling circuit for driveshaft bearings (140-142), wherein low temperature, filtered fuel from the fuel tank (150) is supplied to a chamber (158) at the rear of the driveshaft (106), wherein the chamber (158) communicates directly with the rear bearing clearances, and with the front bearing clearances and cambox (108) via axial (134) and radial (136,138) driveshaft drillings, wherein the system is sealed at backleak pressure, and optionally a channel (160,172) is provided directly from the chamber to the cambox volume thereby to cool a tappet/cam rider interface.

IPC 8 full level  
**F04B 1/04** (2006.01); **F04B 53/08** (2006.01); **F04B 53/18** (2006.01)

CPC (source: EP)  
**F04B 1/0404** (2013.01); **F04B 53/08** (2013.01); **F04B 53/18** (2013.01)

Citation (search report)

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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

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