

Title (en)  
Oil pump

Title (de)  
Ölpumpe

Title (fr)  
Pompe à huile

Publication  
**EP 1503051 A2 20050202 (EN)**

Application  
**EP 04017879 A 20040728**

Priority  
JP 2003282997 A 20030730

Abstract (en)  
An oil pump includes a relief passage for communicating an intake passage and a discharge passage, a valve bore assembled with a pressure adjusting valve for controlling an opening and closing of the relief passage in accordance with pressure at the discharge passage, an intake bore having an opening at one end thereof, the intake bore in communication with the intake passage for sucking oil, and a flange portion attached with a connection member. A first end of the valve bore is open to the flange portion.

IPC 1-7  
**F01M 1/16**

IPC 8 full level  
**F01M 1/02** (2006.01); **F01M 1/16** (2006.01); **F01M 11/02** (2006.01); **F01M 11/03** (2006.01)

CPC (source: EP)  
**F01M 1/02** (2013.01); **F01M 1/16** (2013.01); **F01M 11/02** (2013.01); **F01M 2001/0238** (2013.01)

Cited by  
CN104373171A; WO2013075647A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1503051 A2 20050202**; **EP 1503051 A3 20070328**; **EP 1503051 B1 20090826**; DE 602004022742 D1 20091008;  
JP 2005048705 A 20050224; JP 4103718 B2 20080618

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