

Title (en)  
Oil pump pressure control device

Title (de)  
Vorrichtung zum Steuern des Ölpumpendrucks

Title (fr)  
Dispositif de contrôle de la pression dans une pompe à huile

Publication  
**EP 1961961 B1 20110126 (EN)**

Application  
**EP 07122748 A 20071210**

Priority  
JP 2007039135 A 20070220

Abstract (en)  
[origin: EP1961961A2] An oil pump pressure control device is configured from a first discharge passage (11) to an engine (E), a first return passage (12) that returns to an intake side of an outer circumferential side rotor, a second discharge passage (13) to the engine, a second return passage (14) that returns to an intake side of an inner circumferential side rotor, and a pressure control valve (C) whose valve main body is provided between a discharge port from the inner circumferential side rotor and the first discharge passage. The first (11) and second discharge passage (14) are coupled, and a flow passage control is executed in each of: a low revolution range in a state in which only the first and the second discharge passage are open; an intermediate revolution range in a state in which the first and second discharge passage are open and a first intake side of the return passage is closed while a second intake side of the return passage is open; and a high revolution range in a state in which the second discharge passage is closed while the first discharge passage and the return passage are open.

IPC 8 full level  
**F04C 2/10** (2006.01); **F04C 14/06** (2006.01); **F04C 14/26** (2006.01)

CPC (source: EP US)  
**F04C 14/065** (2013.01 - EP US); **F04C 14/26** (2013.01 - EP US); **F04C 2/10** (2013.01 - EP US)

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DE ES FR GB IT

DOCDB simple family (publication)  
**EP 1961961 A2 20080827**; **EP 1961961 A3 20091216**; **EP 1961961 B1 20110126**; CN 101251108 A 20080827; CN 101251108 B 20110914; DE 602007012206 D1 20110310; ES 2358286 T3 20110509; JP 2008202488 A 20080904; JP 4521005 B2 20100811; US 2008253904 A1 20081016

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