

Title (en)
CAMSHAFT ADJUSTER

Title (de)
NOCKENWELLENVERSTELLER

Title (fr)
DISPOSITIF DE REGLAGE D'ARBRE A CAMES

Publication
EP 1963629 A1 20080903 (DE)

Application
EP 06830088 A 20061123

Priority
• EP 2006068804 W 20061123
• DE 102005059840 A 20051215

Abstract (en)
[origin: WO2007071518A1] The invention relates to a lubricant circuit of a camshaft adjuster. In conventional camshaft adjusters, the lubricant is supplied from a cylinder head to a camshaft adjuster via a supply duct (66) and a receiving duct (69), an annular groove which is encircling in the circumferential direction being mounted between said supply duct and said receiving duct in order to ensure a continuous lubricant supply. According to the invention, the lubricant is transferred from the supply duct (66) to the receiving duct (69) in a discontinuous manner. The omission of the encircling annular groove causes a discontinuous or cyclic flow of lubricant so that lubricant is transferred only when the supply duct (66) is at least partially aligned with the receiving duct (69).

IPC 8 full level
F01L 1/352 (2006.01); **F01L 1/34** (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP US)
F01L 1/34 (2013.01 - EP US); **F01L 1/344** (2013.01 - EP US); **F01L 1/352** (2013.01 - EP US); **F01L 2001/34436** (2013.01 - EP US); **F01L 2810/02** (2013.01 - EP)

Citation (search report)
See references of WO 2007071518A1

Cited by
CN105370334A

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
DE 102005059840 A1 20070628; CN 101331298 A 20081224; CN 101331298 B 20101215; DE 502006004091 D1 20090806; EP 1963629 A1 20080903; EP 1963629 B1 20090624; JP 2010510420 A 20100402; JP 4982503 B2 20120725; US 2008308054 A1 20081218; US 7934478 B2 20110503; WO 2007071518 A1 20070628

DOCDB simple family (application)
DE 102005059840 A 20051215; CN 200680047116 A 20061123; DE 502006004091 T 20061123; EP 06830088 A 20061123; EP 2006068804 W 20061123; JP 2008544927 A 20061123; US 9760306 A 20061123