

Title (en)
Camshaft incorporating variable camshaft timing phaser rotor

Title (de)
Nockenwelle mit integriertem Winkelvestellrotor

Title (fr)
Arbre à cames avec rotor de déphaseur intégré

Publication
EP 1517009 A2 20050323 (EN)

Application
EP 04254860 A 20040812

Priority
• US 64906003 A 20030827
• US 89521504 A 20040720

Abstract (en)
In a VCT system, the rotor of a phaser is integral to a shaft such as a camshaft. The lobes on the camshaft are also integral to the camshaft. The axial dimension and the radial dimension of the resultant rotor-cam shaft-cam lobes combination are reduced. <IMAGE>

IPC 1-7
F01L 1/344; **F01L 1/047**

IPC 8 full level
F01L 1/34 (2006.01); **F01L 1/047** (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP US)
F01L 1/047 (2013.01 - EP US); **F01L 1/344** (2013.01 - EP US); **F01L 2001/0473** (2013.01 - EP US); **F01L 2001/0475** (2013.01 - EP US); **F01L 2001/3443** (2013.01 - EP US); **F01L 2303/00** (2020.05 - EP US); **F01L 2303/01** (2020.05 - EP US); **F01L 2303/02** (2020.05 - EP US); **F01L 2820/041** (2013.01 - EP US)

Cited by
DE102013217145A1; GB2433974A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2005045130 A1 20050303; EP 1517009 A2 20050323; JP 2005069227 A 20050317

DOCDB simple family (application)
US 89521504 A 20040720; EP 04254860 A 20040812; JP 2004237845 A 20040818