

Title (en)  
Camshaft

Title (de)  
Nockenwelle

Title (fr)  
Arbre à cames

Publication  
**EP 1803904 B1 20100407 (DE)**

Application  
**EP 06125818 A 20061211**

Priority  
DE 102005061187 A 20051221

Abstract (en)  
[origin: EP1803904A2] The camshaft has two coaxially mounted shafts (1,2) rotatable inside with respect to one another. The cams are fixedly attached to the shafts. A main camshaft drive acts on both the shafts. A device adjusts the angle of rotation of the shafts with respect to one another by an actuating drive (3) and adjusts the angle of rotation of the shafts jointly by actuating drive (4). The actuating device has swash plates (3',4') mounted rotatably on a swash bearing (3'',4'').

IPC 8 full level  
**F01L 1/34** (2006.01); **F01L 1/344** (2006.01); **F01L 1/352** (2006.01); **F01L 1/356** (2006.01)

CPC (source: EP US)  
**F01L 1/34** (2013.01 - EP US); **F01L 1/34413** (2013.01 - EP US); **F01L 1/352** (2013.01 - EP US); **F01L 1/356** (2013.01 - EP US);  
**F01L 2001/0473** (2013.01 - EP US); **F01L 2001/34493** (2013.01 - EP US)

Cited by  
CN102439265A; KR20120089281A; KR20120089280A; WO2013171321A1; US8627795B2; WO2011042391A1; WO2013053421A1;  
WO2013171322A1; US9638306B2; WO2011010241A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
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DE 502006006633 D1 20100520; US 2007137598 A1 20070621; US 7421992 B2 20080909

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