

Title (en)
CAMSHAFT

Title (de)
NOCKENWELLE

Title (fr)
ARBRE À CAMES

Publication
EP 1963625 B1 20100728 (DE)

Application
EP 06828664 A 20061213

Priority
• DE 2006002229 W 20061213
• DE 102005062207 A 20051224

Abstract (en)
[origin: DE102005062207A1] A camshaft, especially for motor vehicle engines, comprises opposed cams (3,4) on a camshaft (1,2) with inner (5) and outer (6) coaxial shafts with oppositely turning cams, one (3) being fixed to the inner shaft and one (4) to the outer. The outer shaft is a circular cylindrical tube of uniform inner diameter (d) giving a stepless inner surface (9) and the inner shaft has an end-securing unit (100) secured directly on the inner surface of the outer shaft.

IPC 8 full level
F01L 1/047 (2006.01)

CPC (source: EP US)
F01L 1/047 (2013.01 - EP US); **F01L 13/0015** (2013.01 - EP US); **F01L 2001/0473** (2013.01 - EP US); **Y10T 29/49293** (2015.01 - EP US)

Cited by
DE102011052819A1; EP3165721A1; DE102015221868A1; EP3633157A1; WO2020070597A1; DE102012220652A1; WO2014075908A1; WO2013024140A1; US10352199B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
DE 102005062207 A1 20070628; BR PI0620617 A2 20111116; BR PI0620617 B1 20181127; DE 202005021716 U1 20090702; DE 502006007559 D1 20100909; EP 1963625 A1 20080903; EP 1963625 B1 20100728; US 2010000477 A1 20100107; US 7802549 B2 20100928; WO 2007076797 A1 20070712

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