

Title (en)
MODULAR CONSTRUCTION CAMSHAFT ADJUSTER WITH A CHAIN OR BELT WHEEL

Title (de)
MODULAR AUFGEBAUTER NOCKENWELLENVERSTELLER MIT KETTEN- ODER RIEMENRAD

Title (fr)
MÉCANISME DE DISTRIBUTION À PROGRAMME VARIABLE DE CONCEPTION MODULAIRE, POURVU D'UNE ROUE DENTÉE À CHÂÎNE OU À COURROIE

Publication
EP 2215333 A1 20100811 (DE)

Application
EP 08852005 A 20081104

Priority
• EP 2008064943 W 20081104
• DE 102007056550 A 20071123

Abstract (en)
[origin: US2010242876A1] A modular construction camshaft adjuster for the camshaft drive of an internal combustion engine with a chain or belt wheel, which has at least one wheel rim facing radially outwards with tooth engagement recesses, an annular wheel plate around a central circular opening and an essentially cylindrical wheel wall with a wall thickness, projecting in an axial direction from the annular wheel plate, such that the wheel wall and the wheel plate together form a cup shape. The minimum wall thickness of the essentially cylindrical wheel wall beneath the at least one wheel is equal to half the tooth engagement recess and the cup-shaped chain or belt wheel is made from a lightweight material.

IPC 8 full level
F01L 1/344 (2006.01); **F16H 55/06** (2006.01)

CPC (source: EP US)
F01L 1/3442 (2013.01 - EP US); **F01L 2301/00** (2020.05 - EP US); **F01L 2303/00** (2020.05 - EP US)

Citation (search report)
See references of WO 2009065731A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
US 2010242876 A1 20100930; AT E529614 T1 20111115; CN 101970810 A 20110209; CN 101970810 B 20130522; DE 102007056550 A1 20090528; EP 2215333 A1 20100811; EP 2215333 B1 20111019; WO 2009065731 A1 20090528

DOCDB simple family (application)
US 74414208 A 20081104; AT 08852005 T 20081104; CN 200880117535 A 20081104; DE 102007056550 A 20071123; EP 08852005 A 20081104; EP 2008064943 W 20081104