Title (en)
Variable cam phaser apparatus

Title (de)
Variable Nockenverstellvorrichtung

Title (fr)
Appareil déphaseur à came variable

Publication
EP 2006501 A1 20081224 (EN)

Application
EP 07252533 A 20070622

Priority
EP 07252533 A 20070622

Abstract (en)
A cam phaser apparatus comprises a first ring gear (4) connectable to a driven member, for example a camshaft (8), a second ring gear (2) connectable to a driving member, for example a cam sprocket (6) or pulley, said first (4) and second (2) ring gears being coaxially arranged alongside one another, said first ring gear (4) having a different number of teeth than said second ring gear (2), and at least one first planetary gear (16,18) supported on a planetary gear carrier (14), said at least one first planetary gear engaging both said first (4) and second (2) ring gears to transfer a driving torque therebetween, said planetary gear carrier (14) being connected to an actuator (22) for rotating the planetary gear carrier (14) or applying a braking torque and/or a motoring torque to said planetary gear carrier (14).

IPC 8 full level
F01L 1/352 (2006.01)

CPC (source: EP)
F01L 1/352 (2013.01)

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

Designated extension state (EPC)
AL BA HR MK RS

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