

Title (en)
VANE-TYPE CAMSHAFT ADJUSTER

Title (de)
FLÜGELZELLEN-NOCKENWELLENVERSTELLER

Title (fr)
DISPOSITIF DE REGLAGE DE L'ARBRE A CAMES A CELLULES EN AILETTES

Publication
EP 1753941 B1 20081126 (DE)

Application
EP 05739591 A 20050510

Priority
• EP 2005005039 W 20050510
• DE 102004027951 A 20040608

Abstract (en)
[origin: WO2005121511A1] The invention relates to a vane-type camshaft adjuster (0) comprising a stator (2c) and a rotor (1), which can be hydraulically rotated in relation to the stator (2c), can be connected to a camshaft and comprises radially projecting vanes (2a) that are inserted in vane grooves (2). Said adjuster is characterised in that the end section (5) of the vane groove (2) on the camshaft side has an enlarged cross-section.

IPC 8 full level
F01L 1/344 (2006.01)

CPC (source: EP KR US)
F01L 1/34 (2013.01 - KR); **F01L 1/344** (2013.01 - KR); **F01L 1/3442** (2013.01 - EP US); **F01L 2001/34479** (2013.01 - EP US); **Y10T 74/2102** (2015.01 - EP US)

Designated contracting state (EPC)
DE FR HU IT

DOCDB simple family (publication)
WO 2005121511 A1 20051222; CN 1965149 A 20070516; CN 1965149 B 20110601; DE 102004027951 A1 20060216; DE 502005006071 D1 20090108; EP 1753941 A1 20070221; EP 1753941 B1 20081126; JP 2008501886 A 20080124; KR 101179289 B1 20120903; KR 20070022719 A 20070227; US 2008047390 A1 20080228; US 7588004 B2 20090915

DOCDB simple family (application)
EP 2005005039 W 20050510; CN 200580018900 A 20050510; DE 102004027951 A 20040608; DE 502005006071 T 20050510; EP 05739591 A 20050510; JP 2007526223 A 20050510; KR 20067025753 A 20050510; US 57032105 A 20050510