

Title (en)

Manufacture of a variable phase device comprising a rotor and a vane, particularly for internal combustion engines camshafts

Title (de)

Herstellung einer aus einem Flügelrad und einem Zellenrad gebildeten Drehwinkel-Verstelleinheit, insbesondere für Nockenwellen von Brennkraftmaschinen

Title (fr)

Fabrication d'un variateur de phase comprenant un rotor et une palette, en particulier pour arbres à cames de moteurs à combustion interne

Publication

**EP 0881364 B1 20021113 (DE)**

Application

**EP 98107358 A 19980422**

Priority

DE 19722133 A 19970527

Abstract (en)

[origin: EP0881364A1] The adjuster which comprises a flywheel and cell wheel has a first unit (1) with first adjustment area and second unit (2) with second adjustment area. A third adjuster unit can be made from the flywheel wheel (4) of one unit and the cell wheel (5) of the other. With the cell wheel the start or end of the corresponding adjustment area (V2,V1) is selected identical with the displacement start (VB1) or displacement end of the adjustment area of the adjuster unit. The flywheel is locked with the cell wheel at the start or at the end of adjustment. The third adjuster unit can be made from the flywheel of the first adjuster unit provided for an inlet camshaft of an internal combustion engine with an adjustment area of about 40 degrees turning angle.

IPC 1-7

**F01L 1/344**

IPC 8 full level

**F01L 1/344** (2006.01)

CPC (source: EP)

**F01L 1/3442** (2013.01)

Cited by

EP1762706A3; US7421989B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**EP 0881364 A1 19981202; EP 0881364 B1 20021113**; DE 19722133 A1 19981203; DE 59806241 D1 20021219; ES 2185079 T3 20030416

DOCDB simple family (application)

**EP 98107358 A 19980422**; DE 19722133 A 19970527; DE 59806241 T 19980422; ES 98107358 T 19980422