

Title (en)  
Camshaft phasing device

Title (de)  
Vorrichtung zur Verstellung einer Nockenwelle

Title (fr)  
Dispositif de réglage du calage d'un arbre à cames

Publication  
**EP 1136658 A3 20011219 (DE)**

Application  
**EP 01890071 A 20010308**

Priority  
AT 3902000 A 20000309

Abstract (en)  
[origin: US2001020461A1] The invention relates to an apparatus for adjusting a camshaft of an internal combustion engine with at least one electromotor which, by way of a gear, produces the adjustment of the camshaft with respect to a pinion, with the gear comprising a planet cage on which at least one planet wheel is provided which is driven by an electromotor. A rapid adjustment with a simple arrangement at the same time can be achieved in such a way that several planet wheels are provided which are in engagement with a ring gear and that each planet wheel is associated with an electromotor which drives the same via a common shaft.

IPC 1-7  
**F01L 1/352**; **F01L 1/34**

IPC 8 full level  
**F01L 1/34** (2006.01); **F01L 1/352** (2006.01); **F16H 1/16** (2006.01)

CPC (source: EP US)  
**F01L 1/352** (2013.01 - EP US)

Citation (search report)

- [A] US 5156119 A 19921020 - SUGA SEIJI [JP]
- [A] EP 0903471 A1 19990324 - TCG UNITECH AG [AT]
- [A] US 4986801 A 19910122 - OHLENDORF ROLF [DE], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 01 29 January 1999 (1999-01-29)

Cited by  
CN112833173A; EP2025883A1; US7562645B2

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DOCDB simple family (publication)  
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