

Title (en)

METHOD AND DEVICE FOR NON-CIRCULAR GRINDING OF CAM SHAPES WITH CONCAVE FLANKS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM UNRUNDSCHLEIFEN VON NOCKENFORMEN MIT KONKAVEN FLANKEN

Title (fr)

PROCEDE ET DISPOSITIF POUR RECTIFIER DES SURFACES EN FAUX-ROND DE PROFILS DE CAMES A FLANCS CONCAVES

Publication

**EP 0904176 A1 19990331 (DE)**

Application

**EP 97923019 A 19970507**

Priority

- DE 19620813 A 19960523
- EP 9702356 W 19970507

Abstract (en)

[origin: DE19620813A1] The invention concerns a method and device for grinding camshaft cams having concave flanks using a grinding disc (3) which has a relatively small diameter and is used at least for finish grinding. The grinding disc axis runs obliquely to the camshaft longitudinal axis (2), and the grinding disc is aligned at the same angle. In order to attain a perfect running surface, the grinding disc is followed along an advance axis (Y) extending perpendicular to the feed axis (X), namely as a function of the rotational position of the camshaft and the positioning on the feed axis.

IPC 1-7

**B24B 19/12**

IPC 8 full level

**B24B 19/12** (2006.01)

CPC (source: EP KR US)

**B24B 19/12** (2013.01 - EP KR US)

Citation (search report)

See references of WO 9744159A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

**DE 19620813 A1 19971127; DE 19620813 C2 20000720**; BR 9709022 A 20000104; CA 2256430 A1 19971127; DE 59706048 D1 20020221; EP 0904176 A1 19990331; EP 0904176 B1 20011121; GE P20012496 B 20010725; JP 2000510771 A 20000822; KR 20000015927 A 20000315; US 6200200 B1 20010313; WO 9744159 A1 19971127

DOCDB simple family (application)

**DE 19620813 A 19960523**; BR 9709022 A 19970507; CA 2256430 A 19970507; DE 59706048 T 19970507; EP 9702356 W 19970507; EP 97923019 A 19970507; GE AP1997004617 A 19970507; JP 54145997 A 19970507; KR 19980709480 A 19981123; US 18098799 A 19990216