

Title (en)
Bevel machining system

Title (de)
Bearbeitungssystem einer Abschrägung

Title (fr)
Système d'usinage d'un biseau

Publication
EP 2537633 A1 20121226 (FR)

Application
EP 11171314 A 20110624

Priority
EP 11171314 A 20110624

Abstract (en)
The system (1) has a grinding device (3) including an abrasive unit (4) and a securing device (5) for securing a disk-shaped part including a moving support (13) onto which the part is fitted. The securing device includes an orienting unit (15) for orienting axis of rotation to define an angle of a bevel and a moving unit for moving the support closer to the abrasive unit so as to machine the part under stress. The grinding device includes a resilient unit for maintaining contact between the abrasive strip and the part underneath the area of contact between the abrasive strip and the part. The resilient unit is formed by an elastomer block.

Abstract (fr)
L'invention se rapporte à un système d'usinage (1) d'un biseau (32, 34) sur une pièce discoïdale (31) comportant un dispositif de meulage (3) comprenant des moyens abrasifs (4), un dispositif de fixation (5) de la pièce (31) comportant un support (13) sur lequel est ajusté ladite pièce et qui est solidaire d'un axe de rotation (16). Selon l'invention, le dispositif de fixation (5) comporte en outre des moyens d'orientation (15) de l'axe (16) de rotation (B) permettant de définir l'angle dudit un biseau (32, 34) et des moyens de rapprochement (17) du support (13) par rapport aux moyens abrasifs (4) afin d'usiner la pièce (13) sous contrainte. L'invention concerne le domaine des glaces pour pièces d'horlogerie.

IPC 8 full level
B24B 9/08 (2006.01); **B24B 21/00** (2006.01); **G04D 3/06** (2006.01)

CPC (source: EP US)
B24B 9/085 (2013.01 - EP US); **B24B 21/002** (2013.01 - EP US); **G04D 3/065** (2013.01 - EP US)

Citation (search report)
[XAI] WO 0249802 A1 20020627 - NIPPON KOGAKU KK [JP], et al

Cited by
CN106985025A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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EP 2537633 A1 20121226; **EP 2537633 B1 20140507**; CN 102837237 A 20121226; CN 102837237 B 20161116; JP 2013006268 A 20130110; US 2012329372 A1 20121227; US 8956202 B2 20150217

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