Title (en)

DEVICE AND METHOD FOR ADJUSTING THE DRILLING DIRECTION OF A DRILLING TOOL FOR AN OPHTHALMIC LENS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM EINSTELLEN DER BOHRRICHTUNG EINES BOHRWERKZEUGS FÜR EINE OPHTHALMISCHE LINSE

Title (fr)

DISPOSITIF ET PROCEDE DE REGLAGE DE LA DIRECTION DE PERÇAGE D'UN OUTIL DE PERÇAGE D'UNE LENTILLE OPHTALMIQUE

Publication

EP 1807244 B1 20131009 (FR)

Application

EP 05796261 A 20050804

Priority

- FR 2005002028 W 20050804
- FR 0411174 A 20041020

Abstract (en)

[origin: WO2006042917A1] The device comprises pivoting means enabling the drilling axis (A6) of the drilling tool (35) to be pivoted (PIV) about the axis of orientation, and means for adjusting the angular position of the drilling tool (35) about said axis of orientation. It also comprises first mobility means enabling relative mobility of the drilling tool (35) in relation to the lens to be drilled (L), or vice-versa, according to a first degree of mobility (ESC) which is distinct from the pivoting (PIV) of the drilling axis (A6) of the drilling tool (35) about the axis of orientation, and in that said means for adjustment are configured in such a way as to control the pivoting (PIV) of the drilling axis (A6) of the drilling tool (35) about the axis of orientation, in favour of the first degree of relative mobility of the drilling tool (35) in relation to the lens (L) that is to be drilled.

IPC 8 full level

B24B 13/005 (2006.01); **B28D 1/14** (2006.01)

CPC (source: EP KR US)

B24B 13/005 (2013.01 - EP KR US); **B28D 1/14** (2013.01 - KR); Y10T 29/5107 (2015.01 - EP US); Y10T 29/5109 (2015.01 - EP US); Y10T 29/511 (2015.01 - EP US); Y10T 408/5614 (2015.01 - EP US); Y10T 408/93 (2015.01 - EP US); Y10T 408/935 (2015.01 - EP US); Y10T 409/307672 (2015.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2874526 A1 20060303; **FR 2874526 B1 20080125**; CN 101043976 A 20070926; CN 101043976 B 20101215; EP 1807244 A1 20070718; EP 1807244 B1 20131009; ES 2441730 T3 20140206; JP 2008517340 A 20080522; JP 5154938 B2 20130227; KR 101293657 B1 20130813; KR 20070073923 A 20070710; US 2009047081 A1 20090219; US 7975355 B2 20110712; WO 2006042917 A1 20060427; WO 2006042917 A8 20070518

DOCDB simple family (application)

FR 0411174 A 20041020; CN 200580036006 A 20050804; EP 05796261 A 20050804; ES 05796261 T 20050804; FR 2005002028 W 20050804; JP 2007537318 A 20050804; KR 20077011566 A 20050804; US 66560705 A 20050804