

Title (en)  
SYSTEM AND METHOD FOR THE NON-CONTACTING MEASUREMENT OF THE AXIS LENGTH AND/OR CORNEA CURVATURE AND/OR ANTERIOR CHAMBER DEPTH OF THE EYE, PREFERABLY FOR INTRAOCULAR LENS CALCULATION

Title (de)  
ANORDNUNG UND VERFAHREN ZUR BERÜHRUNGSLOSEN MESSUNG DER ACHSLÄNGE UND/ODER DER HORNHAUTKRÜMMUNG UND/ODER DER VORDERKAMMERTIEFE DES AUGES, VORZUGSWEISE ZUR IOL-BERECHNUNG

Title (fr)  
DISPOSITIF ET TECHNIQUE PERMETTANT DE MESURER SANS CONTACT LA LONGUEUR DE L'AXE ET/OU LA COURBURE DE LA CORNEE ET/OU LA PROFONDEUR DE LA CHAMBRE ANTERIEURE DE L'OEIL, DE PREFERENCE POUR LE CALCUL D'UNE LENTILLE INTRA-OCULAIRE

Publication  
**EP 1139857 A2 20011010 (DE)**

Application  
**EP 99963480 A 19991210**

Priority  
• DE 19857001 A 19981210  
• DE 19857000 A 19981210  
• EP 9909766 W 19991210

Abstract (en)  
[origin: US6779891B1] Combined equipment for non-contacting determination of axial length (AL), anterior chamber depth (VKT) and corneal curvature (HHK) of the eye are also important for the selection of the intraocular lens IOL to be implanted, particularly the selection of an intraocular lens IOL to be implanted, preferably with fixation of the eye by means of a fixating lamp and/or illumination through light sources grouped eccentrically about the observation axis.

IPC 1-7  
**A61B 3/18**; **A61B 3/10**; **A61B 3/107**

IPC 8 full level  
**A61B 3/10** (2006.01); **A61B 3/107** (2006.01); **A61B 3/117** (2006.01); **A61B 3/15** (2006.01); **A61B 8/10** (2006.01)

CPC (source: EP US)  
**A61B 3/0008** (2013.01 - US); **A61B 3/0025** (2013.01 - US); **A61B 3/1005** (2013.01 - EP US); **A61B 3/107** (2013.01 - EP US); **A61B 3/117** (2013.01 - EP US); **A61B 3/14** (2013.01 - US); **A61B 3/158** (2013.01 - EP US); **A61B 8/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 0033729A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**US 6779891 B1 20040824**; CA 2353921 A1 20000615; CA 2353921 C 20090310; CA 2648334 A1 20000615; CA 2648334 C 20160202; CN 100502762 C 20090624; CN 101596096 A 20091209; CN 101596096 B 20151125; CN 1330524 A 20020109; EA 004236 B1 20040226; EA 200100626 A1 20020627; EP 1139857 A2 20011010; HK 1043031 A1 20020906; HK 1043031 B 20100312; JP 2002531205 A 20020924; JP 2011098220 A 20110519; JP 2013006068 A 20130110; JP 4769923 B2 20110907; JP 5184662 B2 20130417; JP 5417507 B2 20140219; US 2005018137 A1 20050127; US 2008111972 A1 20080515; US 2012287399 A1 20121115; US 2014375951 A1 20141225; US 7322699 B2 20080129; US 8764195 B2 20140701; US 9504381 B2 20161129; WO 0033729 A2 20000615; WO 0033729 A3 20001026

DOCDB simple family (application)  
**US 85759901 A 20011001**; CA 2353921 A 19991210; CA 2648334 A 19991210; CN 200910140890 A 19991210; CN 99814353 A 19991210; EA 200100626 A 19991210; EP 9909766 W 19991210; EP 99963480 A 19991210; HK 02104760 A 20020626; JP 2000586226 A 19991210; JP 2011012236 A 20110124; JP 2012201426 A 20120913; US 201213445669 A 20120412; US 201414318022 A 20140627; US 91615104 A 20040810; US 93217007 A 20071031