

Title (en)  
METHOD FOR MANUFACTURING AN INTRAOCULAR OPHTHALMIC LENS AND OPHTHALMIC LENS OBTAINED BY THE IMPLEMENTATION OF THIS METHOD

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINER OPHTHALMISCHEN INTRAOKULARLINSE UND DURCH IMPLEMENTIERUNG DIESES VERFAHRENS ERHALTENE OPHTHALMISCHE LINSE

Title (fr)  
PROCÉDÉ DE FABRICATION D'UNE LENTILLE OPHTALMIQUE INTRAOCULAIRE ET LENTILLE OPHTALMIQUE OBTENUE PAR LA MISE EN OEUVRE DE CE PROCÉDÉ

Publication  
**EP 3518829 A1 20190807 (EN)**

Application  
**EP 17780681 A 20170928**

Priority  
• EP 16191795 A 20160930  
• EP 2017074602 W 20170928

Abstract (en)  
[origin: EP3300694A1] The present invention concerns a method for determining geometrical parameters of an ophthalmic lens intended to be implanted in a patient's eye. This method comprises the following steps: #c measuring biometric data specific to the patient; #c choosing characteristics for the vision of the patient after correction; #c choosing non biometric parameters of the lens; #c calculating a light distribution specification from the biometric data, from the non biometric parameters and from said vision characteristics chosen, wherein the light distribution specification defines, among others, which portions of the available light are allocated to different distances of vision; #c calculating geometrical parameters for the lens in such a way that the set formed by the ophthalmic lens and the eye of the patient generates a light distribution specification corresponding to the light distribution specification calculated. The invention also concerns an ophthalmic lens comprising a base correcting optical element and at least one phase distribution element. The geometrical parameters of said base correcting optical element are determined from the result of measuring biometric data specific to the patient and of choosing non biometric parameters of the lens. The geometrical parameters of said at least one phase distribution element are determined from the result of calculating a light distribution specification depending on visual characteristics chosen for a patient after correction.

IPC 8 full level  
**A61F 2/16** (2006.01); **G02C 7/02** (2006.01)

CPC (source: EP)  
**A61B 3/0025** (2013.01); **A61F 2/16** (2013.01); **A61F 2/1637** (2013.01); **A61B 3/00** (2013.01); **A61F 2/1613** (2013.01); **A61F 2240/002** (2013.01); **G02C 7/027** (2013.01)

Citation (search report)  
See references of WO 2018060319A1

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

DOCDB simple family (publication)  
**EP 3300694 A1 20180404**; CN 109789013 A 20190521; CN 109789013 B 20210427; EP 3518829 A1 20190807; WO 2018060319 A1 20180405

DOCDB simple family (application)  
**EP 16191795 A 20160930**; CN 201780060438 A 20170928; EP 17780681 A 20170928; EP 2017074602 W 20170928