

Title (en)
Method for grinding a lens and apparatus thereof.

Title (de)
Verfahren und Vorrichtung zum Schleifen einer Linse.

Title (fr)
Méthode et appareil pour le meulage d'une lentille.

Publication
EP 0379426 A2 19900725 (EN)

Application
EP 90400126 A 19900117

Priority
JP 946889 A 19890118

Abstract (en)
A lens grinding method of the present invention includes a first step for finding a lens-edge thickness over the entire circumference of a lens-edge vector radius locus of a lens to be cut , a second step for finding a lens-edge vertex position information for dividing the lens-edge into a desired ratio over the entire circumference thereof, and a third step for V-edge edging the lens-edge based on the V-edge vertex position information. Also, a lens grinding apparatus of the present invention includes measuring means (12) for finding a lens-edge thickness over the entire circumference of a lens-edge vector radius locus of a lens to be cut , input means (16) for inputting a desired ratio, calculating means (15) for finding a positional information of a V-edge vertex for dividing the lens-edge at the input ratio over the entire circumference thereof, and controlling means for V-edge edging the lens-edge based on the V-edge vertex positional information. And according to the lens grinding method and the apparatus for carrying out the method, as the lens-edge thickness is measured over the entire circumference of the lens-edge and the movement of the lens in the Z-axis direction is controlled such that the V-edge is formed at a desired ratio over the entire circumference of the lens-edge, the V-edge can be desirably positioned even if a lens having an aspherical refracting surface like a progressive multifocus lens.

IPC 1-7
B24B 9/14

IPC 8 full level
B24B 9/14 (2006.01); **B24B 47/22** (2006.01)

CPC (source: EP)
B24B 9/144 (2013.01); **B24B 47/225** (2013.01)

Cited by
EP0899059A3; EP0803325A3; FR2877249A1; US6062947A; EP0890414A3; WO9313911A1; WO2006045965A1

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0379426 A2 19900725; EP 0379426 A3 19901219; JP H02190247 A 19900726; JP H07100288 B2 19951101

DOCDB simple family (application)
EP 90400126 A 19900117; JP 946889 A 19890118