

Title (en)

A method and apparatus for automatic attachment of a finishing block to a lens

Title (de)

Verfahren und Vorrichtung zum automatischen Positionieren einer Linse in einer Bearbeitungseinrichtung

Title (fr)

Procédé et appareil pour positionner automatiquement une lentille dans un bloc de finition

Publication

EP 1093907 A3 20010502 (EN)

Application

EP 00122441 A 20001013

Priority

IL 13243699 A 19991018

Abstract (en)

[origin: EP1093907A2] A method and apparatus for automatic determination of a location and orientation of a finishing block to be attached to a lens. The lens has either visible reference features or invisible reference features associated with a prescribed or predetermined value of at least one optical characteristic of the lens, with respect to which reference features the location and orientation of the finishing block are in a predetermined geometric relationship. The apparatus comprises a support (3) for carrying the lens (A); a reference features finder (5) for obtaining a graphic image of the lens (A) if the reference features are distinguishable when imaged, and/or obtaining a mapping image of the lens (A) based on which the optical characteristic of the lens (A) may be calculated, if the reference features are non-distinguishable when imaged, and a computer (24) for processing the graphic and/or mapping image of the lens (A), to derive therefrom the coordinates of the reference features and to determine the location and orientation of the finishing block (1) based on their predetermined geometrical relationship with the reference features and using the coordinates of the reference features. <IMAGE>

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Citation (search report)

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- [XA] GB 2317460 A 19980325 - GERBER OPTICAL INC [US]
- [A] EP 0876874 A2 19981111 - INDO INT SA [ES]
- [A] EP 0947287 A2 19991006 - NIDEK KK [JP]

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