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Frey et al.

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(54) **METHOD AND SYSTEM FOR MEASURING AN EYE**

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A61B 3/14 (2006.01)

(52) **U.S. Cl.**
CPC ***A61B 3/14*** (2013.01)
USPC **351/206**

(58) **Field of Classification Search**
CPC A61B 3/14; A61B 3/145
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See application file for complete search history.

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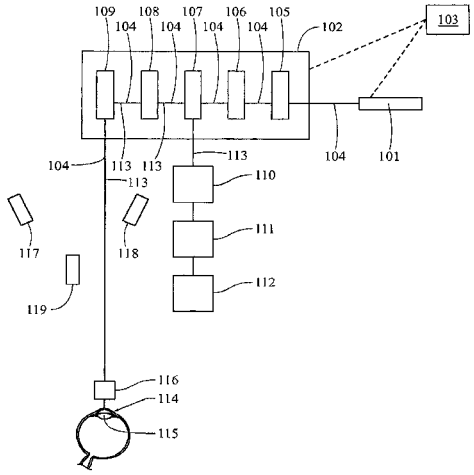
(57) **ABSTRACT**

There is provided a system, apparatus and methods for developing laser systems that can create a precise predetermined capsulotomy. The systems, apparatus and methods further provide laser systems that reduce the patient-to-patient variability and doctor-to-doctor variability associated with hand held apparatus for performing capsulorhexis and capsulotomies. There is further provided a precise predetermined shot pattern and shaped capsulotomy that is based at least in part on the shape of an IOL and in particular an accommodating IOL.

24 Claims, 20 Drawing Sheets