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Frey et al.

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(54) **SYSTEM AND METHOD OF SCAN CONTROLLED ILLUMINATION OF STRUCTURES WITHIN AN EYE**

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A61B 3/117	(2006.01)

(52) **U.S. Cl.**

CPC ***A61B 3/008*** (2013.01); ***A61B 3/107*** (2013.01); ***A61B 3/1173*** (2013.01)

USPC **351/221**; 351/210; 351/212; 351/246

(58) **Field of Classification Search**

CPC A61B 3/0008; A61B 3/107; A61B 3/1173

USPC 351/205, 210, 212, 221, 246

See application file for complete search history.

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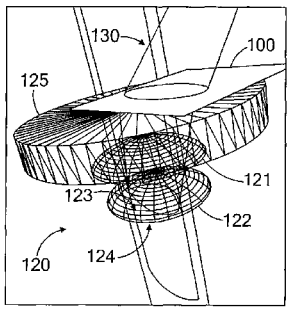
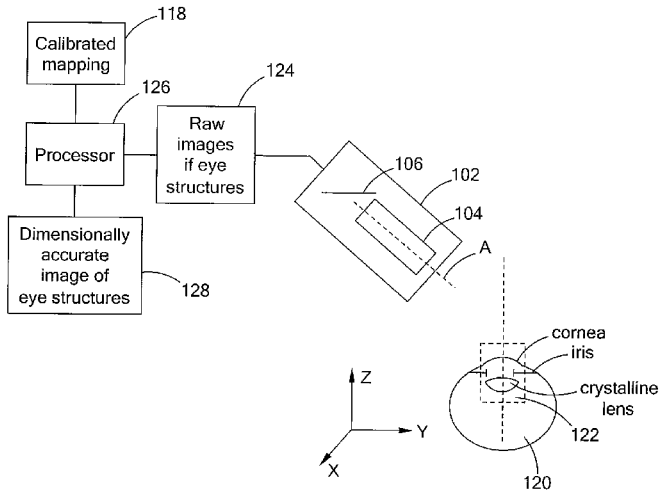
(57) **ABSTRACT**

There is provided a system, apparatus and methods for enhancing the illumination of structures of the eye using predetermined scan patterns of an illuminating light beam. The systems, apparatus and methods further provide for obtaining enhanced single images of multiple structures of the eye.

9 Claims, 8 Drawing Sheets