

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311017995 A

(19) INDIA

(22) Date of filing of Application :16/03/2023

(43) Publication Date : 31/03/2023

(54) Title of the invention : PORTABLE HANDHELD DEVICE TO MEASURE THE ANTERIOR CHAMBER ANGLE OF EYE

(51) International classification :A61B 031170, A61F 090070, B41J 021750, B82Y 300000, G01N 335690

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :

The present invention provides a portable handheld image processing device and method to measure anterior chamber angle of the eye based on the shadow formation on the iris. The device comprises inbuilt light emitting device (102), a camera/ image acquisition device (104) configured to record photos or videos of eyes of the user, an image processor (106) configured to analyse the photos or video recorded by the camera (104) to measure anterior chamber angle based on the shadow formation on the iris and a display unit (108) which shows the actual angle of the chamber, its grade and actual image of the eye, wherein light emitting device and camera/ image acquisition device are aligned at 90 degree apart at separate plane.

No. of Pages : 18 No. of Claims : 9