

(54) Title of the invention : AN AUTOMATED ACCOMMODATIVE FLIPPER

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(57) Abstract :

The present invention relates to the device to test accommodative facility. The invention more particularly relates to an automated accommodative flipper to test accommodative facility in patients suffering from asthenopia symptoms. The flipper is made of a plastic body with apertures holding two positive and negative power lenses of equal magnitude. It includes a voice-guided system, an automatic timer, an illuminating system, and a rechargeable battery. The unique features of the invention include the automated lens-changing system, the chambers for refractive error correction, the clip-on occluder, and the reset/stop button, which reduce the chance of error and minimize the expenses of changing the battery. The flipper is designed to reduce the risk of trauma to the eye and can be used for monocular procedures. The invention is particularly useful for assessing the effects of digital device usage on the parameters of binocular vision. Accompanied Drawing [FIG. 1]

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