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(57) Abstract :

A device for pediatric vision assessment of an eye of a user comprising: at least a spectacle frames; an image capturing device coupled to the frames; a gaze detection device coupled to the image capturing device and configured to detect the direction of the eye, its pupil centre, movement and orientation of the eye; a processor coupled to the image capturing device and gaze detection system; and a preferential looking card of different acuity in communication with the processor. When a signal is received from the image capturing device and the gaze detection device, the processor compares orientation of preferential looking card with the signal received to analyze the visual acuity.

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