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(54) Title: METHOD AND DEVICE FOR SELF-MEASUREMENT OF INTRA-OCULAR PRESSURE

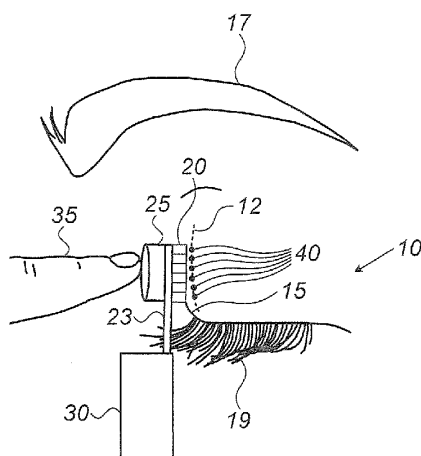


FIG. 1B

(57) Abstract: A self-tonometry device for measuring intra-ocular pressure in an eye of a subject, may include a plurality of sensors and a processor for executing a machine learning module. The plurality of sensors may be arranged in an array for measuring a plurality of pressures at respective positions on an eye of a subject, when the plurality of sensors in the array apply a force to the eye at the respective positions through an eyelid of the subject. The processor may be configured to receive the plurality of pressures at the respective location from the plurality of sensors, and to compute using the machine learning module, an intra-ocular pressure in the eye based on the plurality of pressures measured at the respective positions through the eyelid of the subject.