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(54) Title of the invention : HANDHELD INTERACTIVE DEVICE FOR FACILITATING INSERTION AND REMOVAL OF CONTACT LENS

<p>(51) International classification :A61M0021000000, A61F0009000000, G06F0003010000, A61M0021020000, G09B0005000000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Chitkara Innovation Incubator Foundation</b> Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. -----</p> <p><b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)KUNDRA, Nikit</b> Address of Applicant :21, Brij Nagar, Jalandhar - 144008, Punjab, India. -----</p> <p><b>2)KUMAR, Neeraj</b> Address of Applicant :Assistant Professor, ECE Department, Chitkara University, Atal Shiksha Kunj, Pinjore-Nalagarh National Highway (NH-21A), District: Solan - 174103, Himachal Pradesh, India. -----</p> <p><b>3)AGGARWAL, Adarsh</b> Address of Applicant :Professor, Chitkara Business School, Chitkara University, Chandigarh-Patiala National Highway, Village Jansla, Rajpura, Punjab - 140401, India. -----</p> <p>-</p>
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(57) Abstract :

The present disclosure provides a device (100) for facilitating insertion and removal of contact lenses to/from a user's eyes. The device (100) includes one or more sensors (104) configured to detect one or more attributes pertaining to position and orientation of the contact lenses from the user's eyes, the set of attributes and user inputs received by one or more input units (108) being enabled to activate one or more actuators (106). The one or more actuators (106) are configured to facilitate a lens holding unit (102) to perform a set of movements for insertion and removal of the contact lenses. One or more output units (110) are configured to generate a set of notifications to assist the user for providing user inputs. The functional components of the device (100) are configured to receive electric power from a power generation unit (112).

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