(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :30/09/2024

(21) Application No.202411073788 A
(43) Publication Date : 11/10/2024

(54) Title of the invention : A LENS STERILIZATION AND STORAGE DEVICE

(51) International classification	:A61L0002100000, A61L0002000000, A61B0090000000, A61L0012140000, F21V0005040000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

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(57) Abstract :
The present invention relates to a lens sterilization and storage device (100) designed to ensure the effective sanitization and safe organization of optical lenses. The device (100) features a cuboidal housing (107) with a lid (106) that encloses a pair of adjustable UV-C lamps (102), specifically positioned to sterilize lenses while accommodating various lens materials. A plurality of integrated magnetic slots (103) securely holds the lenses, minimizing the risk of misplacement during the sterilization process. A temperature control unit prevents heat damage, while a digital timer (104) allows precise setting of sterilization durations. Additionally, a magnetic sensor (103) automatically detects lens presence, optimizing UV exposure and energy efficiency. A UV-resistant transparent window (105) provides visibility into the cuboidal housing without compromising safety. This innovative device (100) combines functionality and user safety, addressing the growing need for effective lens care in an increasingly hygiene-conscious market.

No. of Pages : 24 No. of Claims : 10