

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411082793 A

(19) INDIA

(22) Date of filing of Application :29/10/2024

(43) Publication Date : 15/11/2024

(54) Title of the invention : HEAD WEARABLE TEMPERATURE CONTROL DEVICE

<p>(51) International classification :A42B1/008, A42B3/28, A42B3/18, G06T7/00, G06V10/00, A42B3/12</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 : 1)Noida Institute of Engineering & Technology Address of Applicant :Plot. - 19, Knowledge Park – 2, Institutional Area, Greater Noida (UP) - 201306, India. Greater Noida -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Vivek Kumar Address of Applicant :Department of Computer Science and Engineering, Noida Institute of Engineering & Technology, Plot. - 19, Knowledge Park – 2, Institutional Area, Greater Noida (UP) - 201306, India. Greater Noida -----</p> <p>2)Yaduvir Singh Address of Applicant :Department of Computer Science and Engineering (Artificial Intelligence), Noida Institute of Engineering & Technology, Plot. - 19, Knowledge Park – 2, Institutional Area, Greater Noida (UP) - 201306, India. Greater Noida -----</p> <p>3)Ambrish Kumar Sharma Address of Applicant :Master of Computer Applications, Noida Institute of Engineering & Technology, Plot. - 19, Knowledge Park – 2, Institutional Area, Greater Noida (UP) - 201306, India. Greater Noida -----</p>
---	---

(57) Abstract :
 A head wearable temperature control device, comprises of a double-layered wearable body 1 developed to be positioned on a user’s head, a motorized slider channel 2 is mounted with brim/bill 5 via a primary motorized hinge in view of protecting face of the user from excessive sunlight while outing, an artificial intelligence enabled image capturing module 3 for determining position of the cornea portion of the user’s eyes, a pair of flaps 4 hinged on lateral sides of the brim/bill 5 for being adjusted in view of completely restricting falling of the sunlight on the user’s face while moving outdoors, and plurality of conduits 6 sandwiched in between layers of the body 1 that are dedicated towards circulation of coolant stored in multiple chambers 7 configured with the body 1.

No. of Pages : 13 No. of Claims : 3