(12) PATENT APPLICATION PUBLICATION

(21) Application No.201811025948 A

(19) INDIA

(22) Date of filing of Application: 11/07/2018

(43) Publication Date: 03/08/2018

(54) Title of the invention: PARABOLIC SOLAR COOKER SYSTEM TO TRACK SUNLIGHT IN REAL-TIME

(51) International classification (31) Priority Document No (32) Priority Date (33) Name of priority country (86) International Application No Filing Date (87) International Publication No (61) Patent of Addition to Application Number Filing Date (62) Divisional to Application Number Filing Date	:F24B1/26 :NA :NA :NA :NA :NA :NA :NA :NA :NA	(71)Name of Applicant: 1)Dr. Ashish Nayyar Address of Applicant: Swami Keshvanand Institute of Technology Management & Gramothan, Ramnagaria, Jagatpi Jaipur-302017, Rajasthan India Rajasthan India 2)Praveen Saraswat 3)Keshav Gupta 4)Satyan Vijayvergiya (72)Name of Inventor: 1)Dr. Ashish Nayyar 2)Praveen Saraswat 3)Keshav Gupta 4)Satyan Vijayvergiya 5)Navpratap Singh Sran 6)Chandan Kumar Prajapati 7)Mahima Bhoi 8)Jitendra K Sen
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A parabolic solar cooker system to track sunlight in real-time. The parabolic solar cooker system comprises light dependent resistors (LDRs), micro-controller unit, a plurality of stepper motors, solar panels, a power unit, lead screw, ball bearing, and coupler. The LDRs sense intensity of the sunlight received on the outer surface. The micro-controller unit computes the intensity of the sunlight to determine a direction of the sunlight and further initiates an actuation signal. The plurality of stepper motors are configured with the micro-controller unit to receive the actuation signal. The stepper motors hold a plurality of solar panels and utilize the received actuation signal to position the solar panels in a way to receive the sunlight from the direction having a maximum computed intensity of the sunlight. The plurality of stepper motors comprises a front stepper motor, a right stepper motor, a rear stepper motor, and a left

No. of Pages: 22 No. of Claims: 7