

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202011045493 A

(19) INDIA

(22) Date of filing of Application :19/10/2020

(43) Publication Date : 22/04/2022

(54) Title of the invention : THERMOELECTRIC STORAGE DEVICE

(51) International classification	:B60N0003100000, G01K0001020000, F25B0021020000, G06F0011000000, A61F0007020000	(71) Name of Applicant : 1)Chitkara Innovation Incubator Foundation Address of Applicant :SCO: 160-161, Sector - 9c, Madhya Marg, Chandigarh- 160009, India. Chandigarh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)CHOUDHARY, Shabnam
(33) Name of priority country	:NA	2)K.R, Ramkumar
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number:	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The present disclosure pertains to a thermoelectric storage device (100) including a (102) adapted to receive and accommodate one or more objects, a temperature sensor (104) configured to sense temperature inside the housing and correspondingly generate a first set of signals, a thermoelectric module (106) operatively coupled to the temperature sensor (104), a controller (108) operatively coupled to the temperature sensor (104) and the thermoelectric module (106), where the controller (108) is configured to transmit a first set of actuation and a second set of actuation signals to the thermoelectric module (106) when compared temperature is beyond the pre-stored temperature limit and within the pre-stored temperature limit. The one or more objects includes any or a combination of cosmetic, restorative, and the likes. The device (100) facilitates maintaining an optimum temperature inside the housing (102) and helps in protecting the one or more objects from damage caused due to change in temperature.

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