

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111014498 A

(19) INDIA

(22) Date of filing of Application :30/03/2021

(43) Publication Date : 23/12/2022

(54) Title of the invention : INTELLIGENT EXERCISING DEVICE

(51) International classification :A63B0021000000,
G06F0003010000,
G09B0019000000,
G16H0040670000,
A63B0024000000

(31) Priority Document No :NA
(32) Priority Date :NA
(33) Name of priority country :NA
(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

(71)Name of Applicant :
1)Chandigarh Group of Colleges, Jhanjeri
Address of Applicant :State Highway 12A Jhanjeri, Sahibzada
Ajit Singh Nagar, Punjab 140307, India. Punjab India

(72)Name of Inventor :
1)Anikate Gupta
2)Sarabjit Singh
3)Venktesh Sharma
4)Dr. Anil Kumar Lamba
5)Rimanpal Kaur

(57) Abstract :

The present invention relates to an intelligent exercising device, comprising, an elongated body 1 developed in a manner to aid a user for performing different exercises, a roller 2 for providing motion to body of the user, the sliding rail 3 assists in movement of the roller 2 along the elongated body 1, atleast two hollow sections 4 in association with pair of lids fabricated on the roller 2 for accommodating legs of the user while performing the exercise, an Artificial Intelligence (AI) camera 5 for capturing images of the user, the microcontroller regulates movement of the roller 2, atleast two plates 6 for supporting hands of the user, the scissoring unit aids in vertical movement of the plates 6, and a thermal camera 8 for sensing temperature of the user, wherein the microcontroller adjusts height of the scissoring unit in case temperature recedes a threshold value. Ref Figure 1.

No. of Pages : 12 No. of Claims : 7