

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111040070 A

(19) INDIA

(22) Date of filing of Application :03/09/2021

(43) Publication Date : 17/03/2023

(54) Title of the invention : LIGHTING DEVICE TO ILLUMINATE INTERIOR OF A BAG

(51) International classification :A45C0015060000,
F21V0023040000,
A63J0017000000,
H05B0047290000,
F21S0009020000

(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)Chitkara Innovation Incubator Foundation
Address of Applicant :SCO: 160-161, Sector - 9c, Madhya
Marg, Chandigarh - 160009, India. Chandigarh India

(72)Name of Inventor :
1)BANDYOPADHYAY, Bosudha
2)DHIMAN, Vishal

(57) Abstract :

The invention includes a lighting device 100 to be attached with a bag to illuminate interior of the bag. The lighting device 100 includes a set of lighting elements 104, a power source 106, one or more sensors 108, a control unit 110, and a light dependent resistor 112. At least one of the one or more sensors 108 detects the presence of an entity in proximity of the bag, and commands the control unit to activate the set of lighting elements 104. Upon receiving commands, the control unit 110 actuate the light dependent resistor 112 to detect light in the interior of the bag, and based on the commands received from the light dependent resistor 112, the control unit 110 activates the lighting elements 104 with a controlled intensity. Additionally, the power source 106 may be rechargeable, and may be configured to power additional electronic devices wirelessly.

No. of Pages : 20 No. of Claims : 10