

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511093622 A

(19) INDIA

(22) Date of filing of Application :29/09/2025

(43) Publication Date : 14/11/2025

(54) Title of the invention : RECHARGEABLE LIGHTER SANITIZING AND CHARGING DEVICE

(51) International classification	:A61L0002100000, H02J0007000000, A61L0002240000, A61N0001360000, B01D0061140000	(71)Name of Applicant : <b>1)Chitkara University</b> Address of Applicant :Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Rajpura Punjab India <b>2)Chitkara Innovation Incubator Foundation</b>
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Filing Date	:01/01/1900	<b>4)Yashika</b>
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(61) Patent of Addition to Application Number	:NA	<b>6)Dr. Jatin Arora</b>
Filing Date	:NA	<b>7)Dr. Madhu Aneja</b>
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

A rechargeable lighter sanitizing and charging device, comprises of a dock body 101 having a horizontal platform 102 carved with a cavity 103 to accommodate a rechargeable lighter, a charging interface 104 comprising a pair of charging pins for transferring power to the lighter, a catalytic disinfection module 105 for neutralizing germs and residue from the surface of lighter, a plasma generation module 106 to generate a micro-plasma field in a sealed region around a sensor portion of the lighter for internal disinfection, a motorized fan 107 to dissipate residual ozone after completion of the cleaning cycle, an indicator light 108 to signal completion of the cleaning process.

No. of Pages : 15 No. of Claims : 8