

(54) Title of the invention : A DISINFECTANT SYSTEM FOR UV BASED GERMICIDE

<p>(51) International classification</p> <p>(31) Priority Document No</p> <p>(32) Priority Date</p> <p>(33) Name of priority country</p> <p>(86) International Application No</p> <p style="padding-left: 20px;">Filing Date</p> <p>(87) International Publication No</p> <p>(61) Patent of Addition to Application Number</p> <p style="padding-left: 20px;">Filing Date</p> <p>(62) Divisional to Application Number</p> <p style="padding-left: 20px;">Filing Date</p>	<p>(71)Name of Applicant :</p> <p>1)VENU MADHAV PANCHAGULA Assistant Professor/ECE</p> <p style="padding-left: 20px;">Address of Applicant :P.V.P Siddhartha Institute of Technology, Vijayawada, Andhra Pradesh, India, 520007 Andhra Pradesh India</p> <p>2)VENKATA SATHISH KUMAR B Assistant Professor/ECE</p> <p>3)SUNITHA MANDAVA Assistant Professor/ECE</p> <p>4)Dr. A.S.C.S. SASTRY, Professor/ECE</p> <p>5)S. SARATH CHANDRA Associate Professor/ECE</p> <p>6)Dr. VIJAYARANGAN. R Advisor-Research</p> <p>(72)Name of Inventor :</p> <p>1)VENU MADHAV PANCHAGULA Assistant Professor/ECE</p> <p>2)VENKATA SATHISH KUMAR B Assistant Professor/ECE</p> <p>3)SUNITHA MANDAVA Assistant Professor/ECE</p> <p>4)Dr. A.S.C.S. SASTRY, Professor/ECE</p> <p>5)S. SARATH CHANDRA Associate Professor/ECE</p> <p>6)Dr. VIJAYARANGAN. R Advisor-Research</p>
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(57) Abstract :

The invention relates to a novel device and method for disinfecting and sanitizing the exterior surface of the articles that are delivered to the homes from third party vendors. The device includes an enclosure defining an internal space for accommodating the portable article to be sanitized and the said enclosure encompasses an aluminium layer affixed to the walls of the said enclosure forming an in-liner to the said device. A light source is affixed on the interior surface of the said enclosure wherein the light source emits ultra violet (UV-C) rays in the wave length of 200-270 nm which light source is activated by an external power supply.

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