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PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : Smart Bin with UV Interface (Sun Clave)

<p>(51) International classification :A61M0005320000, A61L0011000000, C07K0014705000, C05G0003000000, A61L0002100000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)BABAI K S</b> Address of Applicant :363, Arcot Road, Kodambakkam, Chennai -24 ----- ----- <b>2)Mrs. Siji Sivanandan</b> <b>3)Mr. S. Balasubramanian</b> <b>4)Ms. B. Akshitha</b> <b>5)Ms. H. Nithyasree</b> <b>6)Ms. G. Ramya Rajani</b> <b>7)Ms. R. Sneha Priya</b> <b>8)Ms. S. Sneka</b> <b>9)Ms. S. Sruthi</b> <b>10)Mr. K. Vijay</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)BABAI K S</b> Address of Applicant :363, Arcot Road, Kodambakkam, Chennai -24 ----- ----- <b>2)Mrs. Siji Sivanandan</b> Address of Applicant :Associate Professor, Department of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai-600024 ----- <b>3)Mr. S. Balasubramanian</b> Address of Applicant :Associate Professor, Department of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai-600024 ----- <b>4)Ms. B. Akshitha</b> Address of Applicant :Department of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai-600024 ----- <b>5)Ms. H. Nithyasree</b> Address of Applicant :Department of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai-600024 ----- <b>6)Ms. G. Ramya Rajani</b> Address of Applicant :Department of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai-600024 ----- <b>7)Ms. R. Sneha Priya</b> Address of Applicant :Department of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai-600024 ----- <b>8)Ms. S. Sneka</b> Address of Applicant :Department of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai-600024 ----- <b>9)Ms. S. Sruthi</b> Address of Applicant :Department of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai-600024 ----- <b>10)Mr. K. Vijay</b> Address of Applicant :Department of Electronics and Communication Engineering, Meenakshi Sundararajan Engineering College, Chennai-600024 -----</p>
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(57) Abstract :  
 SMART BIN WITH UV INTERFACE(SUN CLAVE) The idea of SMART BIN WITH UV INTERFACE was developed in the notion of breaking the chain of infection spread. The main motive of this innovation is to provide a contactless bin that would sterilize the medical wastes like masks, cotton, syringe, etc., thereby replacing the traditional trash bin. This bin provides a safer disposal of medical wastes and it reduces the risk of spreading diseases, due to the disposed waste. The invention uses UV rays of type C to sterilize the medical wastes. This kills and prevents the further growth of pathogens present in the medical wastes, without causing harm to the environment.

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