

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :05/08/2024

(21) Application No.202431059212 A

(43) Publication Date : 09/08/2024

(54) Title of the invention : Mini Air Purifier: Compact Solution for Clean and Fresh Indoor Air

(51) International classification :F24F0008108000, F24F0008158000, A61L0002100000, F24F0008100000, F24F0008220000  
(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)SWAMI VIVEKANANDA UNIVERSITY

Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal - 700121 Barasat -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)MR. SOUMAK BOSE

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia West Bengal-700121, India Barasat -----

2)DR. SAMRAT BISWAS

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia West Bengal-700121, India Barasat -----

3)MR. SOUMYA GHOSH

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia West Bengal-700121, India Barasat -----

4)MR. SAYAN PAUL

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia West Bengal-700121, India Barasat -----

5)MR. ABHISHEK DHAR

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia West Bengal-700121, India Barasat -----

6)MR. SAURABH ADHIKARI

Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia West Bengal-700121, India Barasat -----

7)Prof. (Dr.) Subhranil Som, Principal,

Address of Applicant :Bhairab Ganguly College 2, Feeder Rd, Beehive Garden, Belghoria, Kolkata, West Bengal-700056, India Barasat -----

(57) Abstract :

Mini air purifiers are innovative devices designed to improve indoor air quality by removing airborne pollutants, allergens, and odors from small to medium-sized spaces. These compact and portable units utilize advanced filtration technologies, such as HEPA filters, activated carbon filters, and UV-C light sterilization, to effectively capture and neutralize harmful particles and contaminants. Mini air purifiers are ideal for use in bedrooms, offices, dormitories, and other personal spaces, providing clean and fresh air for improved respiratory health and overall well-being. With their small footprint, quiet operation, and energy efficiency, mini air purifiers have become essential devices for individuals seeking to create a healthier and more comfortable indoor environment.

No. of Pages : 9 No. of Claims : 8