

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202041052961 A

(19) INDIA

(22) Date of filing of Application :04/12/2020

(43) Publication Date : 18/12/2020

(54) Title of the invention : AN AUTOMATIC MACHINE TO REMOVE CONTAMINANTS FROM VEHICLE BODY SURFACE BEFORE PAINTING

(51) International classification

:E04F

21/08

(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)Dr. P.K.POONGUZHALI

Address of Applicant :Assistant Professor, Department of Electronics and communication Engineering, Hindusthan College of Engineering and Technology, Coimbatore 641032, Tamilnadu, India. poogasanthosh@gmail.com 9787451716 Tamil Nadu India

2)Dr.Sengottuvel P

3)Dr.K.Vetrivel Kumar

4)Dr. S. Joseph Dominic Vijayakumar

5)Dr. S. PAULSINGARAYAR

6)S.SENTHILNATHAN

7)JOSEPH MANUEL D

8)SHEIK MOHAMED M

9)Ms.K.Uma

10)Prof.Alim Shaikh

11)Dr. K.M Baalamurugan

12)Ms.C.Sagana

(72)Name of Inventor :

1)Dr. P.K.POONGUZHALI

2)Dr.Sengottuvel P

3)Dr.K.Vetrivel Kumar

4)Dr. S. Joseph Dominic Vijayakumar

5)Dr. S. PAULSINGARAYAR

6)S.SENTHILNATHAN

7)JOSEPH MANUEL D

8)SHEIK MOHAMED M

9)Ms.K.Uma

10)Prof.Alim Shaikh

11)Dr. K.M Baalamurugan

12)Ms.C.Sagana

(57) Abstract :

The invention AN AUTOMATIC MACHINE TO REMOVE CONTAMINANTS FROM VEHICLE BODY SURFACE BEFORE PAINTING • is a device for removing dust, lint and other particulate contaminants from the surfaces of various types of articles such as a vehicle body prior to priming or painting the surfaces. To obtain quality painting of exterior surfaces of a vehicle body, dust, lint and other particulate contaminants must be removed from the body surfaces just prior to painting these surfaces. A specially designed rotary side brushes automatically follows the profile of the vehicle body as it moves past the brush to remove dust and other particulate contaminants from the front, hood, roof, and any rear deck in back of the vehicle body. The rotary brush is comprised of a driven tubular shaft and ostrich feathers secured in circumferentially spaced holes in hubs mounted on the tubular shaft. This automatic machine senses the location of the vehicle, the style of the vehicle, and moves the elements of the brush assembly into wiping contact with the surface to be painted.

No. of Pages : 13 No. of Claims : 4

The Patent Office Journal No. 51/2020 Dated 18/12/2020



Dr.D.SENTHIL KUMARAN, M.E., Ph.D., (NUS)
Principal
SSM Institute of Engineering and Technology
Kuttathupatti Village, Sindalagudi (T),
Palani Road, Dindigul - 624 002.