

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111025123 A

(19) INDIA

(22) Date of filing of Application :07/06/2021

(43) Publication Date : 08/12/2023

(54) Title of the invention : ELECTRIC DUST ROLLER

(51) International classification :F24F0003160000,
A47L0013520000,
A47L0009240000,
B08B0015000000,
A47L0007000000

(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)CHITKARA INNOVATION INCUBATOR
FOUNDATION**
Address of Applicant :SCO: 160-161, SECTOR – 9C,
MADHYA MARG, CHANDIGARH – 160009, INDIA
Chandigarh India

(72)Name of Inventor :
**1)Amit Gupta
2)Anoop Kumar Singh
3)Gurdial Singh
4)Parambir Singh Dalpatia
5)Amanjeet Bhalla**

(57) Abstract :

TITLE: ELECTRIC DUST ROLLER ABSTRACT An electric dust roller (100) comprising: a body (102); a central duct (104) adapted inside the body (102); rollers (106a-106d) arranged on sides of the body (102), brushes (108a-108b) configured on a bottom edge of the body (102) and/or on the rollers (106a-106d) for cleaning and/or collecting dust; suction vents (110a-110d) configured on the central duct (104) such that the dust collected by the brushes (108a-108b) is sucked by the suction vents (110a-110d) and passed to a dustpan (112) through the central duct (104); a handle (114) attachable on a top edge of the body (102), and a suction unit (116) arranged inside the handle (114) for creating a suction to suck the dust through the suction vents (110a-110d). Claims: 10 Figures: 9 Figure 1 is selected

No. of Pages : 25 No. of Claims : 10