

(54) Title of the invention : STRING HOPPER MAKING MACHINE

<p>(51) International classification :A23L0007100000, A21C0001140000, A21D0013047000, A23L0007117000, B31B0160100000</p> <p>(86) International Application No :NA Filing Date :NA</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 : 1)Dr.S.Rathinavel Address of Applicant :Paavai Engineering College Autonomous Pachal Namakkal Tamilnadu-637018 ----- 2)Dr.G.Balaji Professor/ EEE 3)Dr.B.Murali Babu Professor/ EEE 4)Dr.A.Rathinam Professor/ EEE 5)K.K.Poongodi ASP/EEE 6)T.Loganathan / Student 7)S.Sanjay / Student 8)R.Kavinesan / Student 9)S.N.Gowtham / Student 10)S.Srimanikandan / Student 11)K.Prathiban / Student 12)Paavai Engineering College Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Paavai Engineering College Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 2)Dr.G.Balaji Professor/ EEE Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 3)Dr.S.Rathinavel Assistant Professor/ EEE Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 4)Dr.B.Murali Babu Professor/ EEE Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 5)Dr.A.Rathinam Professor/ EEE Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 6)K.K.Poongodi ASP/EEE Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 7)T.Loganathan / Student Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 8)S.Sanjay/ Student Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 9)R.Kavinesan/ Student Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 10)S.N.Gowtham/ Student Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 11)S.Srimanikandan/ Student Address of Applicant :Paavai Engineering College Pachal Namakkal ----- 12)K.Prathiban/ Student Address of Applicant :Paavai Engineering College Pachal Namakkal -----</p>
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(57) Abstract :
The new approach is focused on the design and development of an electric string hopper machine that is suitable for the domestic purposes. The main objective of the work is to redesign a power assisted domestic string hopper-making machine to minimize the human effort. String hopper Making Machine is used to make the favourite dish of Tamil Nadu string hopper automatically. Nowadays, in homes manual hand operated string hopper making machines are employed and it has string hopper to extrude string hopper flour. It takes more time to make the dish and it is hard to turn the hand lever when the density of rice flour mixture is high. This is an era of automation and needs simple and automatic string hopper maker in which it extrudes the flour in the form of strings. In this work, the fabrication of automatic string hopper maker is carried and the rice flour would be extruded. Initially the wet flour composition should be fed into the machine and a collecting plate is kept at proper place in which strings are extruded. While the machine gets started, the flour composition is extruded the flour strings are formed. While accumulating strings, the collecting plate should be rotated to avoid overlapping of strings.

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