

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341022994 A

(19) INDIA

(22) Date of filing of Application :29/03/2023

(43) Publication Date : 28/04/2023

(54) Title of the invention : SOLUTION FOR DRYING GRAINS

(51) International classification :B01D 710200, C23C 140800, C23C 145800, F26B 030800, H01M 081023
(86) International Application No :PCT//
Filing Date :01/01/1900
(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)Malla Reddy Engineering College

Address of Applicant :Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Medchal-Malkajgiri-500100. Telangana. Maisammaguda --

2)Dr. N. Ramanjaneyulu

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Dr. N. Ramanjaneyulu

Address of Applicant :HOD & Professor, MBA Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----

2)Dr. M. Rajesh

Address of Applicant :Associate Professor, MBA Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----

3)Mr. M. Sreenivas

Address of Applicant :Associate Professor, MBA Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----

4)A. Sarveswara Reddy

Address of Applicant :Assistant Professor, MBA Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----

5)Yamula Bhanu Prasad

Address of Applicant :Student, MBA Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----

6)P. Vinay Kumar

Address of Applicant :Student, MBA Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----

7)Debalina datta

Address of Applicant :Student, MBA Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----

8)Shaga Srija

Address of Applicant :Student, MBA Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----

9)Bachu Madhuri

Address of Applicant :Student, MBA Dept., Malla Reddy Engineering College, Maisammaguda (Post. Via. Kompally), Mechal-Malkajgiri-500100. Maisammaguda -----

(57) Abstract :

Generally drying of grains can be done in different ways depending upon the source of heat utilized for the purpose. The most common methods are traditional drying and mechanical drying. Sun drying is a traditional method of drying crops and grains. Sun drying involves using the energy of the sun to remove moisture from grains. The major portion of the crops is left in field and threshing yard for drying under sun. A major quantity of grains is still dried by the sun in most of the developing countries. Traditional drying systems are still practiced in many areas because of its low cost and ease of management. Our invention is all about drying grains in a simple way and reduces the wastage of grains while drying the gains in a traditional way. This process helps the producer to dry the grains as fast as possible. Our concept is to reduce the time and wastage of grains in the drying process. All the drying process is performed in a closed warehouse so that the process can be performed in all the seasons at any time. This is a very simplified process for drying the grains and reduces the wastage of grains. Our invention is a kind of incubator that helps to dry grains with the help of heat generating fans and heat generating lights. Our warehouse is converted into incubator by using some heat generating methods to heat up and dry the grains.

No. of Pages : 6 No. of Claims : 5