

Home (<https://ipindia.gov.in/>) About Us (<https://ipindia.gov.in/Home/AboutUs>) Policy & Programs (<https://ipindia.gov.in/Home/policypages>)
 Achievements (<https://ipindia.gov.in/Home/achievementspage>) RTI (<https://ipindia.gov.in/Home/righttoinformation>)
 Sitemap (<https://ipindia.gov.in/Home/Sitemap>) Contact Us (<https://ipindia.gov.in/Home/contactus>)

[Skip to Main Content](#)



(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic>)

Patent Search

Invention Title	PORTABLE AND DISMANTABLE CHANNEL CONVEYOR FOR FIELD TRANSPORTATION OF BANANA
Publication Number	34/2019
Publication Date	23/08/2019
Publication Type	INA
Application Number	201841005897
Application Filing Date	15/02/2018
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	MECHANICAL ENGINEERING
Classification (IPC)	B65G47/268

Inventor

Name	Address	Country
S. Uma	Director, ICAR-National Research Centre for Banana, Thogamalai Road, Thayanur Post, Tiruchirapalli-620 102 Tamil Nadu	India
V. Kumar	Principal Scientist ICAR-National Research Centre for Banana, Thogamalai Road, Thayanur Post, Tiruchirapalli-620 102 Tamil Nadu	India
T. Rajamanikandan	Assistant Professor, Department of EEE, Kongunadu College of Engineering & Technology, Tholurpatti (P.O), Thottiyam - T.K, Tiruchirapalli - 621 215 Tamil Nadu	India
R. Asokan	Department of ECE, Kongunadu College of Engineering & Technology, Tholurpatti (P.O), Thottiyam - T.K, Tiruchirapalli - 621 215 Tamil Nadu	India

Applicant

Name	Address	Country
Indian Council of Agricultural Research (ICAR)	Indian Council of Agricultural Research, ICAR-National Research Centre for Banana, Thogamalai Road, Thayanur Post, Tiruchirapalli - 620 102, Tamil Nadu	India

Abstract:

ABSTRACT A portable and dismantable channel conveyor for field transportation of banana is disclosed in the present invention wherein the said channel conveyor comprises (i) a plurality of runway channels, (ii) roller bearing wheel setup, and (iii) legs and channel support system.

Complete Specification

4. Description

FIELD OF THE INVENTION

[0001] The present invention relates to agricultural machinery more particularly to a channel conveyor for lifting, handling and transporting of banana from the agricultural field to pack house.

BACKGROUND OF THE INVENTION

[0002] Bananas are fragile fruits and it is necessary to take multiple precautions to transport them. From the harvesting point of the bananas up to the retail point of sale, the bunch and the bananas are placed on different means for their transportation, process and storage. The use of many transportation means demands handling of bunches which involves hand contact with the banana fruit. This contact stresses the banana fruit as bananas are very sensitive to knocks, pressure and friction with other objects.

[0003] Cableway systems arranged throughout picking fields or farms for handling and transporting the bananas are known in the prior art. It has been found however, that transporting the bananas in this manner by hanging the entire bunch results in a considerable amount of

[View Application Status](#)



[Terms & conditions \(https://ipindia.gov.in/Home/Termsconditions\)](https://ipindia.gov.in/Home/Termsconditions) [Privacy Policy \(https://ipindia.gov.in/Home/Privacypolicy\)](https://ipindia.gov.in/Home/Privacypolicy)

[Copyright \(https://ipindia.gov.in/Home/copyright\)](https://ipindia.gov.in/Home/copyright) [Hyperlinking Policy \(https://ipindia.gov.in/Home/hyperlinkingpolicy\)](https://ipindia.gov.in/Home/hyperlinkingpolicy)

[Accessibility \(https://ipindia.gov.in/Home/accessibility\)](https://ipindia.gov.in/Home/accessibility) [Contact Us \(https://ipindia.gov.in/Home/contactus\)](https://ipindia.gov.in/Home/contactus) [Help \(https://ipindia.gov.in/Home/help\)](https://ipindia.gov.in/Home/help)

Content Owned, updated and maintained by Intellectual Property India, All Rights Reserved.

Page last updated on: 26/06/2019



Office of the Controller General of Patents, Designs & Trade Marks
Department for Promotion of Industry and Internal Trade
Ministry of Commerce & Industry,
Government of India

(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic.in/index.htm>)

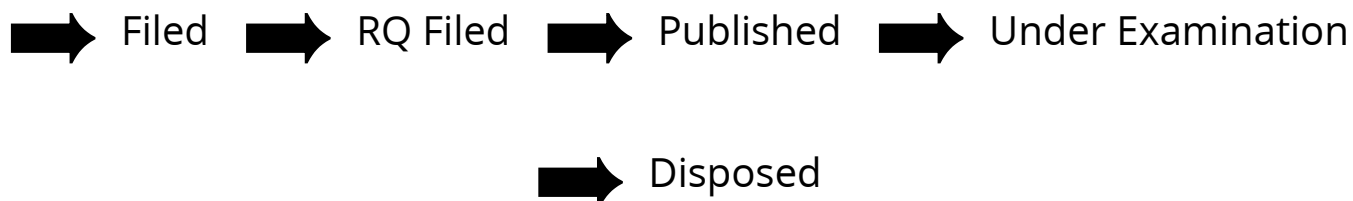
Application Details

APPLICATION NUMBER	201841005897
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/02/2018
APPLICANT NAME	Indian Council of Agricultural Research (ICAR)
TITLE OF INVENTION	PORTABLE AND DISMANTABLE CHANNEL CONVEYOR FOR FIELD TRANSPORTATION OF BANANA
FIELD OF INVENTION	MECHANICAL ENGINEERING
E-MAIL (As Per Record)	girijasram@gmail.com
ADDITIONAL-EMAIL (As Per Record)	girijav@ipaententi.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	15/02/2018
PUBLICATION DATE (U/S 11A)	23/08/2019
FIRST EXAMINATION REPORT DATE	13/02/2020
Date Of Certificate Issue	18/12/2023
POST GRANT JOURNAL DATE	22/12/2023
REPLY TO FER DATE	11/08/2020

Application Status

APPLICATION STATUS

**Granted Application, Patent Number
:484713**

[E-Register](#)[View Documents](#)

In case of any discrepancy in status, kindly contact ipo-helpdesk@nic.in



INTELLECTUAL
PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते



पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

पेटेंट प्रमाण पत्र

Patent Certificate

(पेटेंट नियमावली का नियम 74)

(Rule 74 of The Patents Rules)

पेटेंट सं. / Patent No.

484713

आवेदन सं. / Application No.

201841005897

फाइल करने की तारीख / Date of Filing

15/02/2018

पेटेंटी / Patentee

Indian Council of Agricultural Research (ICAR)

प्रमाणित किया जाता है कि पेटेंटी को, उपरोक्त आवेदन में यथाप्रकटित **PORTABLE AND DISMANTABLE CHANNEL CONVEYOR FOR FIELD TRANSPORTATION OF BANANA** नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख फरवरी 2018 के पंद्रहवें दिन से बीस वर्ष की अवधि के लिए पेटेंट अनुदत्त किया गया है।

It is hereby certified that a patent has been granted to the patentee for an invention entitled **PORTABLE AND DISMANTABLE CHANNEL CONVEYOR FOR FIELD TRANSPORTATION OF BANANA** as disclosed in the above mentioned application for the term of 20 years from the 15th day of February 2018 in accordance with the provisions of the Patents Act, 1970.



(Signature)

Controller of Patents

अनुदान की तारीख : 18/12/2023
Date of Grant :

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, फरवरी 2020 के पंद्रहवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 15th day of February 2020 and on the same day in every year thereafter.