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PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE
पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

क्रमांक : 044106514
SL No :



पेटेंट सं. / Patent No. : 299881
आवेदन सं. / Application No. : 306/CHE/2010
फाइल करने की तारीख / Date of Filing : 08/02/2010
पेटेंटी / Patentee : 1.DR. G. SINGARAVELU 2.V. KIRUTHIGA 3.K.
GOVINDARAJU

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित A PROCESS FOR PRODUCING SILVER NANO PARTICLES IMPREGNATED SURGICAL SUTURE THREAD नामक आविष्कार के लिए, पेटेंट अधिनियम, 1970 के उपबंधों के अनुसार आज तारीख 8th day of February 2010 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 A PROCESS FOR PRODUCING SILVER NANO PARTICLES IMPREGNATED SURGICAL SUTURE THREAD as disclosed in the above mentioned application for the term of 20 years from the 8th day of February 2010 in accordance with the provisions of the Patents Act, 1970.



अनुदान की तारीख : 10/08/2018
Date of Grant :

[Signature]
VICE-CHANCELLOR
THIRUVALLUVAR UNIVERSITY
TIRUVALLUR

[Signature]
पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, 8th day of February 2012 को और उसके पश्चात् 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 8th day of February 2012 and on the same day in every year thereafter.

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201741012732 A

(19) INDIA

(22) Date of filing of Application :10/04/2017

(43) Publication Date : 21/04/2017

(54) Title of the invention : NOVEL METHOD FOR THE DETECTION OF ADULTERATION IN EXPENSIVE AROMATIC RICE BY CHEAPER NON-AROMATIC RI

(51) International classification	:C07H21/04, C12N15/82, A01H5/00	(71)Name of Applicant : 1)Bharathiar University Address of Applicant :Dept. of Biotechnology, Marudamalai Road, Coimbatore, Tamil Nadu, India - 641046 Tamil Nadu India
(31) Priority Document No	:NA	(72)Name of Inventor :
(32) Priority Date	:NA	1)Dr. S.Balamurugan
(33) Name of priority country	:NA	2)Dr. S. Bala Murugan
(86) International Application No	:NA	3)Dr. Inchakalody P Varghese
Filing Date	:NA	4)Dr. M. C. Harish
(87) International Publication No	: NA	5)Dr.R.Sathishkumar
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

Presence of aroma in rice is considered as special trait, which determines its market price, and it is mainly due to the 8 bp deletion in exon 7 of the fgr gene in chromosome 8. In this study, we have developed a novel, simple and efficient PCR-RFLP marker to discriminate the rice varieties based on the aroma. The primers were designed to target the InDel polymorphism in the fgr gene. Restriction enzyme HpyF101 was chosen for RFLP analysis, as it recognizes the 8 bp deletion region of the exon 7 of the fgr gene and can discriminate rice varieties based on the restriction fragment sizes of the DNA. The results showed that aromatic genotypes produced a single fragment of 511 bp and non-aromatic genotypes produced two fragments of 356 bp and 163 bp, hence it can clearly discriminate both the rice genotypes. Using this method, we have also proved for the first time that, traditional rice genotype Gandhakasala is an aromatic and Jeerakasala as non-aromatic rice variety. This novel PCR-RFLP marker system is highly reliable and simple compared with the already reported markers which require multiplex primers and high percentage agarose gels for separation of DNA fragments. This molecular marker system can be a useful tool for commercial rice industries for quality control purposes to check the adulteration of non aromatic rice with the expensive aromatic rice genotypes for commercial gain and also it will be very useful for the rice breeding programs to select the pure lines.

No. of Pages : 11 No. of Claims : 5


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C-1170

Dated the: 24/04/2015

24 APR 2015

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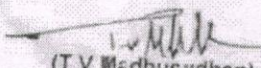
REF :- Patent No.266300 (2728/CHE/2007), Dated 22/11/2007 Granted On Dated 23/04/2015

This is to state that a patent has been granted on the above-mentioned application and that the grant of the patent has been recorded in the Register of Patents on the 23/04/2015. The said patent is enclosed herewith.

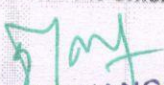
The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the proviso in sub-section(4) of Section 142 of the Patents Act,1970, as Amended by the Patent(Amendment)Act,2005/ Patent Rule, 2003 as Amended by Patent(Amendment) Rules,2006.

The renewal fee schedule has been given at the back of the Letter of Patent

Encl: As above


(T.V. Madhusudhan)
Deputy Controller of Patents & Designs

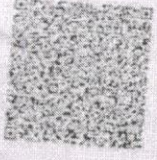
Note: "Renewal fees have changed in accordance with the Patent Amendment Rules 2014. Kindly refer to the First Schedule (fees) of the Patent Amendment Rules 2014 available on the official website of Controller General of Patents Designs and Trade Marks www.ipindia.gov.in"


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क्रमांक : 044 020413
Sl. No. :



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THE PATENT OFFICE
पेटेंट प्रमाणपत्र
Patent Certificate
(Rule 74 of Patents Rules)



Patent Number :
Application Number : 266310
Date of Filing : 2728, CHE/2007
Patentee : 22/11/2007
UNIVERSITY OF MADRAS

It is hereby certified that a patent has been granted to the patentee for an invention entitled AN IMPROVED SOLID-STATE POLYMER COMPOSITION, A PROCESS FOR ITS PREPARATION AND AN IMPROVED DYE-SENSITIZED SOLAR CELL as disclosed in the above mentioned application for the term of 20 years from the 22 day of NOVEMBER 2007, in accordance with the provisions of the Patent Act 1970.

Controller of Patents

Controller General of Patents,
Designs & Trademarks

Date of Grant: 23/04/2015

VICE-CHANCELLOR
THIRUVALLUVAR UNIVERSITY
SERKADU, VELLORE - 632 115.

Note: The fees for renewal of this patent, if it is to be maintained, will fall/has fallen due on 22 day of NOVEMBER 2009 and on the same day in every year thereafter.