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(54) Title of the invention : A PROCESS FOR PREPARING PLASTICIZER FREE HARD CAPSULE SHELL COMPOSITION•

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(57) Abstract :
A process for preparing plasticizer-free hard capsule shell composition comprising the steps of i) preparing a solution by dissolving water insoluble polymer in acetic acid; ii) preparing a solution by adding water soluble polymer in water and the said addition is subjected for heating unless a transparent solution is formed; iii) adding step (i) & (ii) in order to obtain a viscous product; iv) pouring the product as obtained in step (iii) in a mould; and v) drying the product as obtained in step (iv) to attain the hollow device in the form of a capsule shell. Fig. 1

No. of Pages : 23 No. of Claims : 10

INTELLECTUAL PROPERTY INDIA
PATENTS | DESIGNS | TRADE MARKS
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पेटेंट प्रमाणपत्र
PATENT CERTIFICATE
(Rule 74 Of The Patents Rules)

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फाइल करने की तारीख / Date of Filing	:	06/07/2021
पेटेंटी / Patentee	:	ROHAN SHARADANAND PHATAK

प्रमाणित किया जाता है कि पेटेंटी को उपरोक्त आवेदन में यथाप्रकटित "A PROCESS FOR PREPARING PLASTICIZER FREE HARD CAPSULE SHELL COMPOSITION" नामक आविष्कार के लिए, पेटेंट अधिनियम, १९७० के उपबंधों के अनुसार आज तारीख 6th day of July 2021 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 PREPARING PLASTICIZER FREE HARD CAPSULE SHELL COMPOSITION" as disclosed in the above mentioned application for the term of 20 years from the 6th day of July 2021 in accordance with the provisions of the Patents Act,1970.

एकस्य कार्यालय THE PATENT OFFICE GOVT.OF INDIA भारत सरकार

अनुदान की तारीख : 08/02/2022
Date of Grant :

पेटेंट नियंत्रक
Controller of Patent

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, **6th day of July 2023** को और उसके पश्चात प्रत्येक वर्ष मे उसी दिन देय होगी।

Note. - The fees for renewal of this patent, if it is to be maintained will fall / has fallen due on 6th day of July 2023 and on the same day in every year thereafter.

FORM 1 THE PATENTS ACT, 1970 (39 of 1970) & THE PATENTS RULES, 2003 APPLICATION FOR GRANT OF PATENT [See sections 7,54 & 135 and rule 20(1)]	(FOR OFFICE USE ONLY) Application No.: ..... Filing Date: ..... Amount of Fee Paid: ..... CBR No.: ..... Signature: .....

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3. TITLE OF THE INVENTION: "A PROCESS FOR PREPARING PLASTICIZER FREE HARD CAPSULE SHELL COMPOSITION"

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5. PRIORITY PARTICULARS OF THE APPLICATION(S) FILED IN CONVENTION COUNTRY:

Sr.No.	Country	Application Number	Filing Date	Name of the Applicant	Tilte of the Invention

6. PARTICULARS FOR FILING PATENT COOPERATION TREATY (PCT) NATIONAL PHASE APPLICATION:

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9. DECLARATIONS:

(i) Declaration by the inventor(s)

I/We ,ROHAN SHARADANAND PHATAK,PRAMOD ANIL PATIL,ATUL RAMCHANDRA CHOPADE,MANGESH ANIL BHUTKAR, is/are the true & first inventor(s) for this invention and declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) of the inventor(s): .....

(c) Name(s): ROHAN SHARADANAND PHATAK,PRAMOD ANIL PATIL,ATUL RAMCHANDRA CHOPADE,MANGESH ANIL BHUTKAR

(ii) Declaration by the applicant(s) in the convention country

I/We, the applicant(s) in the convention country declare that the applicant(s) herein is/are my/our assignee or legal representative.

(a) Date: -----

(b) Signature(s) : .....

(c) Name(s) of the singnatory: ROHAN SHARADANAND PHATAK,ROHAN SHARADANAND PHATAK,ROHAN SHARADANAND PHATAK

(iii) Declaration by the applicant(s)

- **I am/We are, in the possession of the above mentioned invention.**
- **There is no lawful ground of objection to the grant of the Patent to me/us.**

10. FOLLOWING ARE THE ATTACHMENTS WITH THE APPLICATION:

Sr.	Document Description	FileName

I/We hereby declare that to the best of my/our knowledge, information and belief the fact and matters stated hering are correct and I/We request that a patent may be granted to me/us for the said invention.

Dated this(Final Payment Date): ----------

Signature: .....

Name: ARGHYA ASHIS ROY

To The Controller of Patents

The Patent office at

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