

[Home](#)
[Quick](#) [Structured](#) [Advanced](#)



Application Details

2021107518
: A novel approach for improving topical penetration through fabrication of Tretinoin nanocrystals loaded gel utilizing an anti-solvent precipitation method

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021107518	Patent application type	Innovation		
Application status	GRANTED	Paid to date	2023-08-25	First IPC Mark	A61K 9/14 (2021.01)
Currently under opposition	No	Proceeding type(s)			
Invention title	A novel approach for improving topical penetration through fabrication of Tretinoin nanocrystals loaded gel utilizing an anti-solvent precipitation method				
Inventor(s)	KUMAR, MANISH ; SHARMA, AKASH ; MALIK, ANUJ ; DORA, CHANDRA PRAKASH ; GUPTA, SUMEET ; TIWARI, ABHISHEK ; TIWARI, VARSHA ; SAHOO, BISWA MOHAN ; SAINI, VIPIN				
Agent name	NATION, IP	Address for legal service	WA 6112 Australia	show full address	
Filing date	2021-08-25	Australian OPI date	2022-01-06	OPI published in journal	
Effective date of patent	2021-08-25	Expiry date	2029-08-25		
Additional/Divisional application number		Additional/Divisional relationship			

Applicant details

Applicant	SAINI, (DR) VIPIN PROF	Applicant address	Haryana India
Applicant	KUMAR, MANISH DR	Applicant address	Haryana India
Applicant	TIWARI, VARSHA DR	Applicant address	Uttarakhand India
Applicant	TIWARI, ABHISHEK DR	Applicant address	UTTARAKHAND India
Applicant	SAHOO, BISWA MOHAN DR	Applicant address	ODISHA India
Applicant	DORA, CHANDRA PRAKASH DR	Applicant address	Haryana India
Applicant	MALIK, ANUJ DR	Applicant address	Haryana India
Applicant	SHARMA, AKASH MR	Applicant address	Haryana India
Applicant	GUPTA, SUMEET DR	Applicant address	Haryana India
Old name(s)			

IPC details

Int Cl.	Version	First Mark
A61K	9/14 (2021.01)	Y
A61K	9/00 (2021.01)	N
A61K	9/06 (2021.01)	N
A61K	31/203 (2021.01)	N

Priority details

Earliest priority date	2021-08-25		
Type	Number	Filing date	Priority date

Associated provisional(s)

Provisional number	Title	Filing date
--------------------	-------	-------------

SPECIFICATION/E-REGISTER

History of Published Specifications:	Download Specification(AU-A4)	Explanation of Specification Codes
View an Extract of the Register for this patent.		

EDOSSIER

Document Date	Document Title	Document Type	Document Status	File Size (KB)
2021-12-15	Innovation Patent Certificate 15-12-2021	CORRO OUT	FILED	1824
2021-12-15	Innovation Patent Notice of Grant 15-12-2021	CORRO OUT	FILED	269
2021-12-06	Abstract Acc-OPI 2021107518	ABSTRACT	ACCEPTED	51
2021-12-06	Claim Acc-OPI 2021107518	CLAIM	ACCEPTED	43
2021-12-06	Description Acc-OPI 2021107518	DESCRIPTION	ACCEPTED	1231
2021-12-06	Drawing Acc-OPI 2021107518	DRAWING	ACCEPTED	201
2021-11-09	Innovation Patent Application Filing Receipt 09-11-2021	CORRO OUT	FILED	308
2021-08-25	Abstract 25-08-2021 AMCZ-2110396338	ABSTRACT	FILED	51
2021-08-25	Claim 25-08-2021 AMCZ-2110396338	CLAIM	FILED	43
2021-08-25	Cover Sheet App Inov 25-08-2021 AMCZ-2110396338	OTHER	FILED	6
2021-08-25	Description 25-08-2021 AMCZ-2110396338	DESCRIPTION	FILED	1231
2021-08-25	Drawing 25-08-2021 AMCZ-2110396338	DRAWING	FILED	201
2021-08-25	Note Entlmnt 25-08-2021 AMCZ-2110396338	NOTE ENTLMNT	FILED	4
2021-08-25	Patent Request 25-08-2021 AMCZ-2110396338	PATENT REQUEST	FILED	6

LIFECYCLE DETAILS

Early termination details

Status	Date applied	Published date
Reason		

Exam details

Prior art documents		
Exam request filing date	Request type	Exam request status
First report date	Examination section	Further report date
Third party examination request date		

Acceptance details

--

Acceptance date	2021-12-10
-----------------	------------

Certification details

Granting details

Deferment of granting	No	Granting date	2021-12-15	Granted published date	2022-01-06
-----------------------	----	---------------	------------	------------------------	------------

Extension of time

Status	Type
From date	To date
Application filing date	Application published date
Allowance date	Allowance published date

Conversion details

Date converted		
From application number	Application type	
To application number	Application type	Application status

FEE/PUBLICATION HISTORY

Continuation/Renewal fee history

Date paid	Paid to date	2023-08-25	Next fee due	2	Fee Table
Last agency address					

Publication history

Vol/Iss	Publication date	Publication action	Reason	Document kind
36/1	2022-01-06	Innovation Patents OPI		AU-A4
36/1	2022-01-06	Patent Granted - Innovation Patents		
35/46	2021-11-18	Innovation Application Filed		

OWNERSHIP DETAILS

Change of ownership

Licence details

Licence status	Type of licence	Term of licence
Licensee(s)		

Mortgage details

Mortgage status	Mortgagee(s)
-----------------	--------------

OPPOSITIONS, DISPUTES & AMENDMENTS

Voluntary amendments

Status	Request date	Request published date
Allowance date	Allowance published date	

Current Oppositions and Disputes

||
||
||

Completed Oppositions and Disputes

Re-examination

Court ordered amendments

Court order date	Court name and order number
------------------	-----------------------------

[Subscribe to notification service](#)

[Submission of Relevant Material \(S27, S28\)](#)

This data is current as of **2022-10-28 18:00 AEDT**.



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021107518

The Commissioner of Patents has granted the above patent on 15 December 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

MANISH KUMAR of MM COLLEGE OF PHARMACY, MAHARISHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY) Ambala Haryana India

AKASH SHARMA of MM COLLEGE OF PHARMACY, MAHARSHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), Mullana Ambala Haryana India

ANUJ MALIK of MM COLLEGE OF PHARMACY, MAHARSHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA Ambala Haryana India

CHANDRA PRAKASH DORA of MM COLLEGE OF PHARMACY, MAHARSHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA Ambala Haryana India

SUMEET GUPTA of MM COLLEGE OF PHARMACY, MAHARSHI MARKANDESHWAR (DEEMED TO BE UNIVERSITY), MULLANA Ambala Haryana India

ABHISHEK TIWARI of DEVSTHALI VIDYAPEETH COLLEGE OF PHARMACY, RUDRAPUR (U. S. NAGAR) UTTARAKHAND India

VARSHA TIWARI of DEVSTHALI VIDYAPEETH COLLEGE OF PHARMACY, RUDRAPUR (U. S. NAGAR) Uttarakhand India

BISWA MOHAN SAHOO of ROLAND INSTITUTE OF PHARMACEUTICAL SCIENCES BERHAMPUR ODISHA India

(DR) VIPIN SAINI of MM SCHOOL OF PHARMACY, MMU SADOPUR Ambala Haryana India

Title of invention:

A novel approach for improving topical penetration through fabrication of Tretinoin nanocrystals loaded gel utilizing an anti-solvent precipitation method

Name of inventor(s):

KUMAR, MANISH; SHARMA, AKASH; MALIK, ANUJ; DORA, CHANDRA PRAKASH; GUPTA, SUMEET; TIWARI, ABHISHEK; TIWARI, VARSHA; SAHOO, BISWA MOHAN and SAINI, VIPIN

Term of Patent:

Eight years from 25 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.



Dated this 15th day of December 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

- (1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:
- (a) a declaration that the threats are unjustifiable; and
 - (b) an injunction against the continuance of the threats; and
 - (c) the recovery of any damages sustained by the applicant as a result of the threats.
- (2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

Certain threats of infringement proceedings are always unjustifiable.

- (1) If:
- (a) a person:
 - (i) has applied for an innovation patent, but the application has not been determined; or
 - (ii) has an innovation patent that has not been certified; and
 - (b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be; then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent

- (2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent

- (3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent