

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4547018

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER
EFFECTIVE DATE:	01/05/2015
CONVEYING PARTY DATA	
Name	Execution Date
IRM LLC	01/05/2015
RECEIVING PARTY DATA	
Name:	NOVARTIS INTERNATIONAL PHARMACEUTICAL LTD.
Street Address:	131 FRONT STREET
City:	HAMILTON
State/Country:	BERMUDA
Postal Code:	HM 12
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15329818
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	(510) 879-9719
Email:	lisa.nash@novartis.com
Correspondent Name:	NOVARTIS INSTITUTES FOR BIOMEDICAL RESEARCH INC.
Address Line 1:	5300 CHIRON WAY
Address Line 4:	EMERYVILLE, CALIFORNIA 94608
ATTORNEY DOCKET NUMBER:	PAT056353-US-PCT
NAME OF SUBMITTER:	LISA NASH
SIGNATURE:	/lisa nash/
DATE SIGNED:	08/11/2017
Total Attachments: 1	
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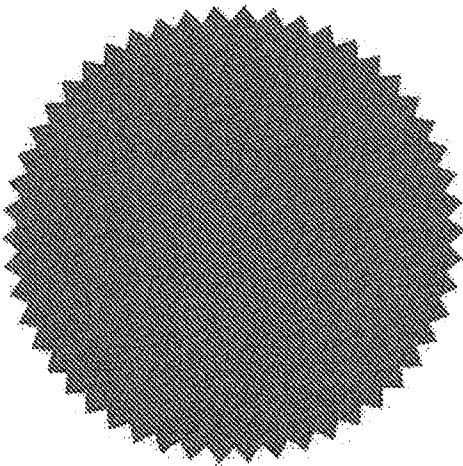


**BERMUDA
CERTIFICATE OF MERGER**

In accordance with the provisions of Section 108 of the Companies Act, 1981 ("Act"), I
HEREBY issue this Certificate of Merger to the surviving company bearing the name

Novartis International Pharmaceutical Ltd.

consequent upon the merger of IRM, LLC (a Delaware Limited Liability Company) and
Novartis International Pharmaceutical Ltd. effective the 5th day of January 2015.



Given under my hand and the Seal of
the REGISTRAR OF COMPANIES
this 5th day of January 2015

for Registrar of Companies