

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3800221

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SAROOP SINGH MATHARU	04/15/2014
EWART GRANT	04/15/2014
BRIAN W. HEINRICH	04/15/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JOHNSON MATTHEY PUBLIC LIMITED COMPANY
<b>Street Address:</b>	5TH FLOOR
<b>Internal Address:</b>	25 FARRINGDON STREET
<b>City:</b>	LONDON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	EC4A 4AB
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15004369
<b>Application Number:</b>	15004380
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(610)971-3022
<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>	
<b>Phone:</b>	610.971.3121
<b>Email:</b>	LINDA.REMER@JMUSA.COM
<b>Correspondent Name:</b>	SHANAY M. MCCASTLE
<b>Address Line 1:</b>	435 DEVON PARK DRIVE
<b>Address Line 2:</b>	SUITE 600
<b>Address Line 4:</b>	WAYNE, PENNSYLVANIA 19087
<b>ATTORNEY DOCKET NUMBER:</b>	70194US2 US3
<b>NAME OF SUBMITTER:</b>	LINDA J. REMER
<b>SIGNATURE:</b>	/Linda J. Remer/
<b>DATE SIGNED:</b>	03/25/2016
<b>Total Attachments: 2</b>	

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## ASSIGNMENT

This Assignment is made the 15<sup>th</sup> day of April 2014.

### BETWEEN

Saroop Singh MATHARU, a British Citizen of 22 Patton Road, Devens, Massachusetts 01434;

Ewart GRANT, a United States Citizen of 22 Patton Road, Devens, Massachusetts 01434; and

Brian W. HEINRICH, a United States Citizen of 22 Patton Road, Devens, Massachusetts 01434;

(each an "Inventor" and together "the Inventors")

### AND

JOHNSON MATTHEY PUBLIC LIMITED COMPANY, a company incorporated in England and Wales with company number 33774, the registered office of which is at 5<sup>th</sup> Floor, 25 Farringdon Street, London EC4A 4AB, United Kingdom ("JM").

### WHEREAS:

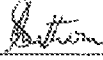
- (A) The Inventors have made an invention ("the Invention"), which is described in the patent specification entitled "PROCESSES FOR MAKING HYDROCODONE, HYDROMORPHONE AND THEIR DERIVATIVES" filed at the United States Patent Office as U.S. Patent Application No. 14/197,242 on March 5, 2014 ("the Application");
- (B) By virtue of the Inventors' employment within the JM Group, the Invention and the Application are the property of JM.

### NOW IT IS HEREBY AGREED AS FOLLOWS

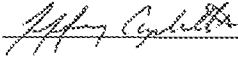
1. In consideration of their employment within the JM Group, the Inventors hereby assign to JM with full title guarantee:-
  - (i) their legal title in and to the Invention;
  - (ii) their legal title in and to the Application;
  - (iii) the right to make further applications for Letters Patent or other form of protection for the Invention in any and all countries;
  - (iv) the right to claim priority for such applications from the Application; and
  - (v) the right to any and all Letters Patent or other forms of protection which may be granted in respect of the Invention.together with the sole and exclusive benefit thereof and all rights, privileges and advantages whatsoever appertaining thereto (as far as the same would but for this assignment arise or accrue to the benefit of the Inventors).
2. The Inventors covenant and agree to sign all papers and drawings, take all rightful oaths and do all acts necessary or required by JM to be done for the procurement of Letters Patent or other form of protection for the Invention and for further vesting or confirming the legal title thereof in JM without charge to JM but at its expense.
3. This Assignment is governed by and shall be interpreted according to the laws of England and Wales.

IN WITNESS of which this Assignment has been executed under hand the day and year first before written.

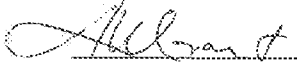
SIGNED by Saroop Singh MATHARU



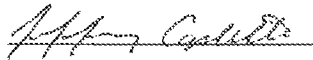
in the presence of :



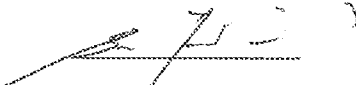
SIGNED by Ewart GRANT



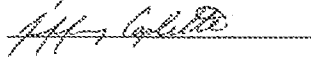
in the presence of :



SIGNED by Brian W. HEINRICH



in the presence of :



SIGNED for and on behalf of Johnson Matthey Public Limited Company

by 

Name: Sarah Dixon

Title: Group IP Director

in the presence of:

