

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4433714

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DUNCAN DAVID HOLDSWORTH	11/15/2016
JULIAN STUART GRAY	11/15/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JOHNSON MATTHEY DAVY TECHNOLOGIES LIMITED
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<b>City:</b>	LONDON
<b>State/Country:</b>	UNITED KINGDOM
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15116089
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<b>ATTORNEY DOCKET NUMBER:</b>	28068-57
<b>NAME OF SUBMITTER:</b>	GABRIELA BAEZA-STOUT
<b>SIGNATURE:</b>	/Gabriela Baeza-Stout/
<b>DATE SIGNED:</b>	05/26/2017
<b>Total Attachments: 4</b>	
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ASSIGNMENT

WHEREAS, WE Duncan David Holdsworth of London, GB and Julian Stuart Gray of London, GB, have invented an improvement in PROCESS COMPRISING TWO REACTION ZONES AND APPARATUS THEREFORE(AT Ref. 28068-57) and have executed an application for a United States patent based thereon assigned Serial No. 15/116,089, filed on August 2, 2016;

AND, WHEREAS, Johnson Matthey Davy Technologies Limited of 10 Eastbourne Terrace, London, GB W2 6LG (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, We have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by myself had no sale and assignment of said interest been made;

AND WE hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

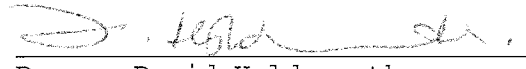
AND WE hereby severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND WE hereby severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

28068-57

IN WITNESS WHEREOF, we have hereunto set our hands.

15/11/2016  
Date

  
Duncan David Holdsworth

\_\_\_\_\_  
Date

\_\_\_\_\_  
Julian Stuart Gray

28068-57

IN WITNESS WHEREOF, we have hereunto set our hands.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Duncan David Holdsworth

15/11/16

\_\_\_\_\_  
Date

*JS Gray*

\_\_\_\_\_  
Julian Stuart Gray