

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3366976

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ROBERT HICKEY	05/05/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	COSKATA, INC.	
<b>Street Address:</b>	4575 WEAVER PARKWAY	
<b>Internal Address:</b>	SUITE 100	
<b>City:</b>	WARRENVILLE	
<b>State/Country:</b>	ILLINOIS	
<b>Postal Code:</b>	60555	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	13782480
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<b>ATTORNEY DOCKET NUMBER:</b>	2140	
<b>NAME OF SUBMITTER:</b>	JOHN G. TOLOMEI	
<b>SIGNATURE:</b>	/John G. Tolomei/	
<b>DATE SIGNED:</b>	05/25/2015	
<b>Total Attachments: 2</b>		
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## ASSIGNMENT

Case No.: 4575.84.USI (2140)  
Inventor: Robert Hickey  
U.S. Patent No. 8,563,299  
Issued 10/22/13  
Serial Number: 13/782480  
Filing Date: 3/1/13

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby Robert Hickey, Assignor hereby sells, assigns and transfers to the Assignee:

COSKATA INC.  
4575 Weaver Parkway, Suite 100  
Warrenville, IL 60555  
USA

a Delaware corporation, the successors and assigns of the Assignee, the entire right, title and interest in the invention of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

MOVING BED BIOFILM REACTOR (MBBR) PROCESS FOR CONVERSION OF SYNGAS  
COMPONENTS TO LIQUID PRODUCTS

and identified as:

United States Serial Number 13/782480 - Filed March 1, 2013

in said application and any and all other foreign applications which the undersigned Assignor may file, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents and further assign to said Assignee the priority right provided by the International Convention. The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee as set forth above and to publish said Letters Patent and said application in the individual names of:

COSKATA INC.  
4575 Weaver Parkway, Suite 100  
Warrenville, IL 60555  
USA

The undersigned Assignor warrants himself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations and upon the request and at the expense of COSKATA INC., Robert

Hickey agrees to assign to said Assignee, their successors and assigns, to execute any and all substitute applications for said invention, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention, that said Assignee, their successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorizes said Assignee to apply for patents for said invention or improvements in their own names in such countries where such procedure is proper and further agrees, upon the request of said Assignee, their successors and assigns, to cooperate to the best of the ability of the undersigned with said Assignee, their successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the Assignee, their successors and assigns, whereby said Letters Patent will be held and enjoyed by the said Assignee, their successors and Assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

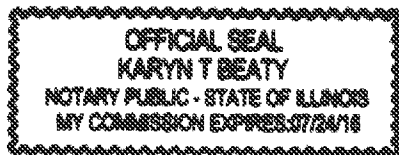
WITNESS my hand and seal this 5<sup>th</sup> day of May, 2015.

Robert Hickey  
Robert Hickey

State of: Illinois  
City of: Warrenville  
County of: DuPage  
Country of: USA

The foregoing instrument was acknowledged before me this 5<sup>th</sup> day of May, 2015.

[SEAL]



Karyn T. Beaty  
NOTARY PUBLIC  
My Commission Expires: 7-27-16