

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VENKATA K. RAMANUJAM	06/12/2014
B. BRYANT SLIMP JR.	06/06/2014
COLE NELSON	06/06/2014
MICHAEL MCCAULLEY	06/06/2014
RECEIVING PARTY DATA	
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Internal Address:	SUITE 500
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77077
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14297412
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NAME OF SUBMITTER:	LEKHA GOPALAKRISHNAN
SIGNATURE:	/Lekha Gopalakrishnan/
DATE SIGNED:	08/09/2014
Total Attachments: 6	
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ASSIGNMENT

THIS ASSIGNMENT, is made by Venkata K. Ramanujam; B. Bryant Slimp, Jr.; Cole Nelson; and Michael McCaulley (hereinafter Assignors);

WHEREAS, Assignors have invented certain new and useful improvements in PROCESS AND APPARATUS FOR SEPARATING C5 DI-OLEFINS FROM PYROLYSIS GASOLINE, set forth in a Patent application for Letters Patent of the United States, already filed on June 5, 2014 as U.S. Application No. 14/297,412; and

WHEREAS, GTC Technology US LLC, of 1001 S. Dairy Ashford, Suite 500, Houston, Texas 77077 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to the inventions and the Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is acknowledged, Assignors have sold, assigned, transferred and set over, and do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of the application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the

entire right, title and interest in and to the inventions and application for Letters Patent above-mentioned, and that same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey same in the manner set forth in this Assignment.

AND for the same consideration, Assignors covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, does advise: that any proceeding in connection with the inventions, or Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for the inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors request the Commissioner of Patent and Trademarks to issue Letters Patent of the United States to Assignee, as Assignee of inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

WINSTEAD PC

All practitioners at Customer Number 61060

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

V. K. Ramanujam

Venkata K. Ramanujam

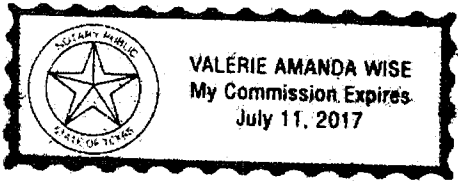
Date: 06/12/2014

United States of America)
State of TX) ss.:
County of FORT BEND)

On this 12th day of June, 2014, before me personally came Venkata K. Ramanujam, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Valerie Amanda Wise

Notary Public



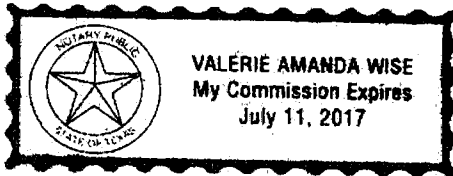
B. Bryant Slimp, Jr.
B. Bryant Slimp, Jr.

Date: 6/6/2014

United States of America)
State of Texas) ss.:
County of HARRIS)

On this 6th day of June, 2014, before me personally came B. Bryant Slimp, Jr., to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Valerie Amanda Wise
Notary Public



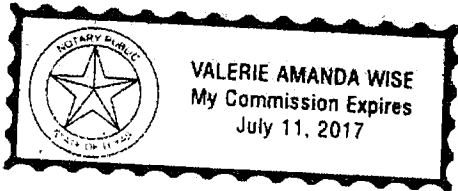
Cole Nelson
Cole Nelson

Date: 6/6/14

United States of America)
State of Texas) ss.:
County of Harris)

On this 6th day of June, 2014, before me personally came Cole Nelson, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Valerie Amanda Wise
Notary Public



Michael McCaulley
Michael McCaulley

Date: 6/6/2014

United States of America)
State of Texas) ss.:
County of FORT BEND)

On this 6th day of June, 2014, before me personally came Michael McCaulley, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Valerie Amanda Wise
Notary Public

