

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT				
EFFECTIVE DATE:	10/26/2009				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>GTC Technology LP</td> <td>07/11/2013</td> </tr> </tbody> </table>		Name	Execution Date	GTC Technology LP	07/11/2013
Name	Execution Date				
GTC Technology LP	07/11/2013				
RECEIVING PARTY DATA					
Name:	GTC Technology US LLC				
Street Address:	1001 S. Dairy Ashford				
Internal Address:	Suite 500				
City:	Houston				
State/Country:	TEXAS				
Postal Code:	77077				
PROPERTY NUMBERS Total: 1					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13951159</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13951159
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Application Number:	13951159				
CORRESPONDENCE DATA					
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Signature:	/Sharon K. Elkouri/				

Date:

08/29/2013

Total Attachments: 3

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NUNC PRO TUNC ASSIGNMENT

WHEREAS, GTC Technology LP, of 1001 S. Dairy Ashford, Suite 500; Houston, Texas 77077 (hereinafter referred to as Assignor), is the sole and exclusive owner, by assignment, of the Patent Application listed in Schedule A; 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 right, title and interest in, to and under said Patent Application and the invention covered thereby;

NOW, THEREFORE, in consideration of and in exchange for the sum of One Dollar (\$1.00) and other good and valuable consideration, receipt of which is acknowledged, the Assignor has sold, assigned, transferred and set over, and does sell, assign, transfer and set over NUNC PRO TUNC to the Assignee, the entire right, title and interest for the United States of America and all other countries in and to applications for all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries on the attached list of *Schedule A*. The United States Patent and Trademark Office is authorized and requested to issue all patents on *Schedule A* to the Assignee herein, as Assignee of the entire interest therein.

The undersigned for itself and its legal representatives, heirs and assigns does agree and covenant without further remuneration, to execute and deliver all divisional, continuation, continuation-in-part, reissue and other applications for Letters Patent and all assignments thereof to the Assignee or its Assigns, to communicate to the Assignee or its representatives all facts known to the undersigned respecting the invention listed on *Schedule A* whenever requested, to testify in any interferences or other legal proceedings in which the application or patent may become involved, to sign all lawful papers, make all rightful oaths, and do generally everything necessary to aid the Assignee, its successors, assigns and nominees to obtain patent protection for the invention listed on *Schedule A* in the United States of America and all other countries, the expenses incident to the application listed on *Schedule A* to be borne and paid by the Assignee.

SCHEDULE A

Application Number	Filing Date	Inventor	Title	Ctry
12/408,333	Mar 20, 2009	Michael J. Binkley	FLUID DISPERSION UNIT WITH DIRECTIONAL COMPONENT VECTOR	US
12/418,189	Apr. 3, 2009	Michael J. Binkley	LIQUID DISTRIBUTOR	US

Date: July 11, 2013
Made effective Nunc Pro Tunc
as of October 26, 2009

Signature: Edward Chen
on behalf of GTC Technology LP

Printed Name: Edward Chen

Title: CFO

Witness:

July 11, 2013
Date

Valerie Wise