

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3586564

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	LIBERATE TECHNOLOGIES	04/05/2005
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	DOUBLE C TECHNOLOGIES, LLC	
<b>Street Address:</b>	1500 MARKET STREET	
<b>City:</b>	PHILADELPHIA	
<b>State/Country:</b>	PENNSYLVANIA	
<b>Postal Code:</b>	19102	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14570417
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(312)463-5001	
<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>	3124635000	
<b>Email:</b>	mmayfield@bannerwitcoff.com, bwptopat@bannerwitcoff.com	
<b>Correspondent Name:</b>	BANNER & WITCOFF, LTD.	
<b>Address Line 1:</b>	TEN SOUTH WACKER DRIVE	
<b>Address Line 2:</b>	SUITE 3000	
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606	
<b>ATTORNEY DOCKET NUMBER:</b>	007412.02873	
<b>NAME OF SUBMITTER:</b>	W GARLAND PHILLIPS	
<b>SIGNATURE:</b>	/W Garland Phillips/	
<b>DATE SIGNED:</b>	10/26/2015	
<b>Total Attachments: 3</b>		
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**ASSIGNMENT**  
(U.S. applications)

WHEREAS, Liberate Technologies, a Delaware corporation having a principal place of business at 2655 Campus Dr., Suite 250, San Mateo, California 94403, USA (hereinafter, "ASSIGNOR") is the owner of the entire right, title and interest in and to all of the patent applications listed on Exhibit A annexed hereto (except U.S. Patent Application No. 10/428,660, in respect of which Assignor is a joint owner) (collectively referred to together with all patents that issue from all such applications as the "Patents"); and

WHEREAS, Double C Technologies, LLC, a Delaware limited liability company having a principal place of business at c/o Comcast Corporation, 1500 Market Street, Philadelphia, Pennsylvania 19102 (hereinafter, "ASSIGNEE"), desires to acquire all right, title, and interest in and to the Patents in the United States of America and its territories and possessions, Canada and its territories and possessions, and Mexico and its territories and possessions (collectively referred to as "North America"); and

WHEREAS, this Assignment is made pursuant to the January 14, 2005 Asset Purchase Agreement entered into by ASSIGNOR and ASSIGNEE.

NOW, THEREFORE, for and in exchange for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNOR'S entire right, title and interest in and to:

- (a) the right to claim priority to any of the Patents in any patent application or similar legal protection in North America,
  - (b) all Patents and every North American counterpart, continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue of any of the Patents (collectively, the "North American Patents"), all for the full term or terms for which the same may be granted, and
  - (c) all claims for damages by reason of past infringement of the North American Patents and the right to sue for and collect such damages for its own use,
- all North American Patents and other rights set forth herein to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer and sale not been made.

ASSIGNOR further agrees, upon request, to provide ASSIGNEE with all pertinent facts and documents relating to the Patents as may be known and accessible, to testify at ASSIGNEE's expense as to the same in any interference or litigation related thereto, promptly to execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce the Patents that may be necessary or desirable to carry out the purposes thereof.

[SIGNATURE APPEARS ON FOLLOWING PAGE]

Liberate Technologies U.S. Applications Assignment

ASSIGNOR:  
Liberate Technologies

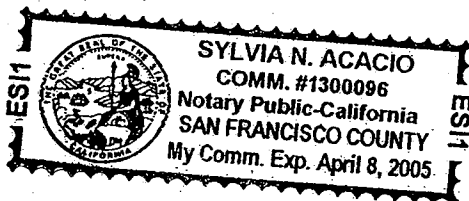
By: [Signature]  
Name: Gregory S. Wood  
Title: Executive Vice President and  
Chief Financial Officer

State of California )ss.:  
County of SAN MATEO

On this 5<sup>th</sup> day of APRIL, 2005, before me, personally appeared GREG WOOD, CFO of Liberate Technologies, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

(Seal)



[Signature]  
NOTARY PUBLIC

Liberate Technologies U.S. Applications Assignment

Exhibit A

United States Application No.	Date Filed
09/124,572	07/29/98
09/330,274	06/11/99
09/413,101	10/06/99
09/455,201	12/06/99
09/490,315	01/24/00
09/500,698	02/09/00
09/731,225	12/06/00
09/731,262	12/06/00
09/977,085	10/12/01
10/010,719	11/08/01
10/057,066	01/25/02
10/107,599	03/27/02
10/142,553	05/09/02
10/218,337	08/12/02
10/103,486	03/20/02
10/213,487	08/06/02
10/259,347	09/28/02
10/407,090	04/02/03
10/428,660	05/02/03
10/430,522	05/05/03
10/675,918	09/29/03
10/757,620	01/14/04
10/788,099	02/26/04
10/789,401	02/27/04
10/834,753	04/29/04
10/939,768	09/13/04
60/564,703	04/23/04
60/566,837	04/30/04
60/625,198	11/05/04