

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3856113

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL A. CORMACK	09/21/2006
JENNIFER L. DRAKE	09/18/2006
THOMAS F. HALLER	09/21/2006
ROBERT A. HILL	09/21/2006
RECEIVING PARTY DATA	
Name:	ARCHIPELAGO HOLDINGS, INC.
Street Address:	100 SOUTH WACKER DRIVE, SUITE 1800
City:	CHICAGO
State/Country:	ILLINOIS
Postal Code:	60606
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14685193
CORRESPONDENCE DATA	
Fax Number:	(215)656-2498
<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>	
Phone:	215-656-3385
Email:	pto.phil@dlapiper.com
Correspondent Name:	PAUL A. TAUFER, DLA PIPER LLP (US)
Address Line 1:	1650 MARKET STREET, SUITE 4900
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	NGI-14-1089DIV-CON-DIV1
NAME OF SUBMITTER:	NANCY NUNEZ
SIGNATURE:	/NN/
DATE SIGNED:	05/03/2016
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, we, MICHAEL A. CORMACK of Evanston, Illinois, JENNIFER L. DRAKE of Evanston, Illinois, THOMAS F. HALLER of Longwood, Florida, and ROBERT A. HILL of LaGrange, Illinois (the "ASSIGNORS") have invented a certain new and useful invention disclosed in an application for United States Letters Patent entitled, DIRECTED ORDER, which is executed by Declaration herewith.


NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ARCHIPELAGO HOLDINGS, INC., an Illinois corporation located at 100 South Wacker Drive, Suite 1800, Chicago, Illinois, 60606 (hereinafter, together with any successors, assigns, nominees or other legal representatives thereof, called "ASSIGNEE") the entire right, title and interest in and to said application and all divisions, substitutions, continuations and continuations-in-part thereof and any improvements disclosed in or related to the subject matter of said application, and all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and all priority rights under applicable international conventions, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates and the like) heretofore or hereafter filed from said application or improvements in any foreign countries, and all patents (including all extensions, renewals and reissues thereof) granted from said application or improvements; and ASSIGNORS hereby authorize and request the United States Commissioner of Patents and Trademarks and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all such patents to ASSIGNEE in accordance with the terms of this assignment;

AND ASSIGNORS HEREBY covenant that we have full right to convey the entire interest herein assigned and that we have not executed, and will not execute, any agreement in conflict herewith;

AND ASSIGNORS HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said application and

AND ASSIGNORS HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said application and improvements and will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute and reissue applications, make all rightful oaths and declarations and generally provide assistance as necessary and required to aid ASSIGNEE to obtain proper patent protection from said application and improvements and to enforce such patent protection in all countries.

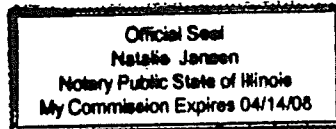
IN WITNESS WHEREOF, I have hereunto set my hand this 21st day of Sept, 2006.



MICHAEL A. CORMACK

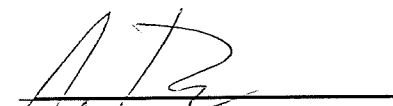
STATE OF ILLINOIS)
COUNTY OF COOK) SS.

On Sept 21st, 2006, before the undersigned, a Notary Public for the State and County aforesaid, appeared the above-named MICHAEL A. CORMACK, personally known to me to be the one who executed the foregoing instrument and acknowledged that he executed the same.



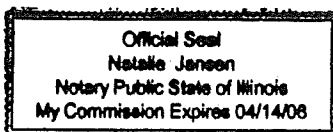
NOTARY PUBLIC

IN WITNESS WHEREOF, I have hereunto set my hand this 18th day of September, 2006.


JENNIFER L. DRAKE

STATE OF ILLINOIS)
COUNTY OF COOK) SS.

On Sept 21st, 2006, before the undersigned, a Notary Public for the State and County aforesaid, appeared the above-named JENNIFER L. DRAKE, personally known to me to be the one who executed the foregoing instrument and acknowledged that he executed the same.



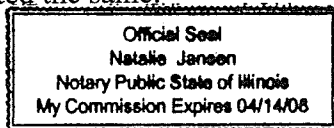
NOTARY PUBLIC

IN WITNESS WHEREOF, I have hereunto set my hand this 21 day of September, 2006.


THOMAS F. HALLER

STATE OF ILLINOIS)
COUNTY OF COOK) SS.

On Sept. 21st, 2006, before the undersigned, a Notary Public for the State and County aforesaid, appeared the above-named THOMAS F. HALLER, personally known to me to be the one who executed the foregoing instrument and acknowledged that he executed the same.



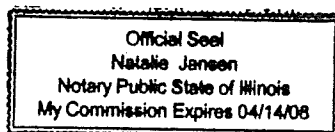

NOTARY PUBLIC

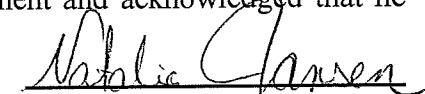
IN WITNESS WHEREOF, I have hereunto set my hand this 21 day of September, 2006.


ROBERT A. HILL

STATE OF ILLINOIS)
COUNTY OF COOK) SS.

On 9-18, 2006, before the undersigned, a Notary Public for the State and County aforesaid, appeared the above-named ROBERT A. HILL, personally known to me to be the one who executed the foregoing instrument and acknowledged that he executed the same.




NOTARY PUBLIC