PATENT ASSIGNMENT COVER SHEET

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
NCOMPUTING, INC., A DELAWARE CORPORATION	02/05/2014
NCOMPUTING, INC., A CALIFORNIA CORPORATION	02/05/2014

RECEIVING PARTY DATA

Name:	PINNACLE VENTURES, L.L.C.
Street Address:	1600 EL CAMINO REAL
Internal Address:	SUITE 250
City:	MENLO PARK
State/Country:	CALIFORNIA
Postal Code:	94025

PROPERTY NUMBERS Total: 31

Property Type	Number
Application Number:	12207389
Application Number:	13669560
Application Number:	12360400
Application Number:	12395072
Application Number:	12395130
Application Number:	12395152
Application Number:	13548535
Application Number:	12474681
Application Number:	12861217
Application Number:	13499128
Application Number:	13499537
Application Number:	13499516
Application Number:	13499545

Application Number:	13011221
Application Number:	12947294
Application Number:	12908365
Application Number:	13032387
Application Number:	13196143
Application Number:	13370951
Application Number:	13684080
Application Number:	13301429
Application Number:	12207402
Application Number:	13018575
Application Number:	12394876
Application Number:	29263151
Application Number:	29285511
Application Number:	12560990
Application Number:	29317891
Application Number:	29360371
Application Number:	29360538
Application Number:	29360539

CORRESPONDENCE DATA

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Phone: 858-550-6403
Email: erin.obrien@cooley.com
Correspondence will be sent via US Mail when the email attempt is unsuccessful.
Correspondent Name: ERIN O'BRIEN
Address Line 1:   C/O COOLEY LLP
Address Line 2:   4401 EASTGATE MALL
Address Line 4:   SAN DIEGO, CALIFORNIA 92121

ATTORNEY DOCKET NUMBER:	303428-133 NCOMPUTING
NAME OF SUBMITTER:	ERIN O'BRIEN
Signature:	/Erin O'Brien/
Date:	02/06/2014

Total Attachments: 5
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**PATENT
REEL: 032166 FRAME: 0457**

GRANT OF SECURITY INTEREST

PATENTS

THIS GRANT OF SECURITY INTEREST, dated as of February 5, 2014, is executed by NCOMPUTING, INC., a Delaware corporation and NCOMPUTING, INC., a California corporation (each, a "Grantor"), in favor of PINNACLE VENTURES, L.L.C. ("Secured Party").

A.   Reference is made to a Security Agreement, dated as of February 5, 2014 (the "Security Agreement"), by and between Grantors and Secured Party.

B.   Grantors own the respective letters patent, and/or applications for letters patent, of the United States, more particularly described on Schedules 1 annexed hereto as part hereof (collectively, the "Patents");

C.   Schedule 1 hereof constitutes a complete list, as of the date hereof, of registrations or applications for registrations of Patents in or to which Grantors have any right, title, interest, claim or demand. After the date of the Security Agreement, the terms and provisions of which are hereby incorporated herein as if fully set forth herein, Grantors shall provide written notice to Secured Party, in accordance with the provisions of the Security Agreement, of any addition or change which is necessary to be made to Schedule 1 in order to maintain such schedule's completeness or accuracy, and, further, Grantors shall provide such notice to Secured Party within a reasonable period of time following the date of the event that is the basis for such addition or change, but in no case later than ninety (90) days following the date of such event.

D.   Each Grantor hereby grants to Secured Party a security interest in all right, title and interest of such Grantor in and to the Patents, together with any reissue, continuation, continuation-in-part or extension thereof, and all proceeds thereof, including any and all causes of action which may exist by reason of infringement thereof for the full term of the Patents (the "Collateral"), to secure the prompt payment, performance and observance of the Obligations, as defined in the Security Agreement;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, each Grantor does hereby further grant to Secured Party a security interest in the Collateral to secure the prompt payment, performance and observance of the Obligations.
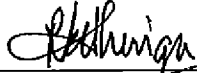
Each Grantor does hereby further acknowledge and affirm that the rights and remedies of Secured Party with respect to the security interest in the Collateral granted hereby are more fully set forth in the Security Agreement.

Secured Party's address is: Pinnacle Ventures, L.L.C.
1600 El Camino Real, Suite 250
Menlo Park, CA 94025

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IN WITNESS WHEREOF, Grantor has caused this instrument to be executed as of the day and year first above written.

NCOMPUTING, INC.

By: _____

Name: Rajendra Dhingra

Title: Chief Executive Officer

NCOMPUTING, INC.

By: _____

Name: Rajendra Dhingra

Title: President

Signature Page to Patent Security Agreement

PATENTS AND PATENT APPLICATIONS

GRANTOR	TITLE	MATTER TYPE	STATUS	APPLICATION #
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR AN EFFICIENT DISPLAY DATA TRANSFER ALGORITHM OVER NETWORK	Patent	Unfiled - currently working with Subir & Anita to prepare application	
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR LOW BANDWIDTH DISPLAY INFORMATION TRANSPORT	Patent	Pending	12/207,389
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR COMPUTER NETWORK CONFIGURATION AND OPERATION	Patent	Pending	13/669,560
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR OBTAINING CROSS COMPATIBILITY WITH A PLURALITY OF THIN-CLIENT PLATFORMS	Patent	Pending	12/360,400
NCOMPUTING, INC., a Delaware corporation	3D GRAPHICS ACCELERATION IN REMOTE MULTI-USER ENVIRONMENT	Patent	Pending	12/395,072
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR VIRTUAL 3D GRAPHICS ACCELERATION AND STREAMING MULTIPLE DIFFERENT VIDEO STREAMS	Patent	Pending	12/395,130
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR LOW BANDWIDTH DISPLAY INFORMATION TRANSPORT	Patent	Pending	12/395,152
NCOMPUTING, INC., a Delaware corporation	OPTIMIZATION OF MEMORY BANDWIDTH IN A MULTI-DISPLAY SYSTEM	Patent	Pending	13/548,535
NCOMPUTING, INC., a Delaware corporation	METHOD AND APPARATUS FOR COPY PROTECTING A DIGITAL ELECTRONIC DEVICE	Patent	Pending	12/474,681
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR EFFICIENTLY PROCESSING DIGITAL VIDEO	Patent	Pending	12/861,217

PATENT
REEL: 032166 FRAME: 0461

GRANTOR	TITLE	MATTER TYPE	STATUS	APPLICATION #
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR A GRAPHICS TERMINAL MULTIPLIER	Patent	Pending	13/499,128
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR A THIN-CLIENT TERMINAL SYSTEM USING A SERIAL BUS	Patent	Pending	13/499,537
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR A THIN-CLIENT TERMINAL SYSTEM WITH A LOCAL SCREEN BUFFER USING A SERIAL BUS	Patent	Pending	13/499,516
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR A THIN-CLIENT TERMINAL SYSTEM SUPPORTING USB DEVICES	Patent	Pending	13/499,545
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR DYNAMIC VIDEO MODE SWITCHING	Patent	Pending	13/011,221
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR ON-THE-FLY KEY COLOR GENERATION	Patent	Pending	12/947,294
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR DOWNSIZING VIDEO DATA FOR MEMORY BANDWIDTH OPTIMIZATION	Patent	Pending	12/908,365
NCOMPUTING, INC., a Delaware corporation	METHOD AND SYSTEM FOR DATA COMMUNICATIONS IN CLOUD COMPUTING ARCHITECTURE	Patent	Pending	13/032,387
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR EFFICIENTLY STREAMING DIGITAL VIDEO	Patent	Pending	13/196,143
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR MULTISTAGE OPTIMIZED JPEG OUTPUT	Patent	Pending	13/370,951
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR AN EFFICIENT DISPLAY DATA TRANSFER ALGORITHM OVER NETWORK	Patent	Pending	13/684,080
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR AN OPTIMIZED ON-THE-FLY TABLE CREATION ALGORITHM	Patent	Pending	13/301,429

GRANTOR	TITLE	MATTER TYPE	STATUS	APPLICATION #
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR COMPUTER NETWORK CONFIGURATION AND OPERATION	Patent	Issued	12/207,402
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR COMPUTER NETWORK CONFIGURATION AND OPERATION	Patent	Issued	13/018,575
NCOMPUTING, INC., a Delaware corporation	SYSTEM AND METHOD FOR USING VIRTUAL IP ADDRESSES IN A MULTI-USER SERVER SYSTEM	Patent	Issued	12/394,876
NCOMPUTING, INC., a Delaware corporation	NETWORK COMPUTING TERMINAL	Design Registration	Issued	29/263,151
NCOMPUTING, INC., a Delaware corporation	Network Computing Terminal	Design Registration	Issued	29/285,511
NCOMPUTING, INC., a Delaware corporation	OPTIMIZATION OF MEMORY BANDWIDTH IN A MULTI-DISPLAY SYSTEM	Design Registration	Issued	12/560,990
NCOMPUTING, INC., a Delaware corporation	NETWORK TERMINAL	Design Registration	Issued	29/317,891
NCOMPUTING, INC., a Delaware corporation	ACCESS DEVICE	Design Registration	Issued	29/360,371
NCOMPUTING, INC., a Delaware corporation	ACCESS DEVICE	Design Registration	Issued	29/360,538
NCOMPUTING, INC., a Delaware corporation	ACCESS DEVICE	Design Registration	Issued	29/360,539

PATENT