

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3605358

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ADDRESS OF ASSIGNEE previously recorded on Reel 030390 Frame 0535. Assignor(s) hereby confirms the CORRECTION OF A TYPOGRAPHICAL ERROR.	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
NCOMPUTING, INC.		03/20/2013
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ARES CAPITAL CORPORATION	
<b>Street Address:</b>	245 PARK AVENUE	
<b>Internal Address:</b>	44TH FLOOR	
<b>City:</b>	NEW YORK	
<b>State/Country:</b>	NEW YORK	
<b>Postal Code:</b>	10167	
<b>PROPERTY NUMBERS Total: 31</b>		
<b>Property Type</b>	<b>Number</b>	
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	

PATENT

Property Type	Number
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

**Fax Number:** (949)567-6710

*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.*

**Phone:** 9495676700

**Email:** ipprosecution@orrick.com

**Correspondent Name:** ORRICK, HERRINGTON & SUTCLIFFE

**Address Line 1:** 2050 MAIN ST. SUITE 1100

**Address Line 4:** IRVINE, CALIFORNIA 92614

<b>ATTORNEY DOCKET NUMBER:</b>	28633-1
<b>NAME OF SUBMITTER:</b>	VICTOR SANTOS
<b>SIGNATURE:</b>	/Victor Santos/
<b>DATE SIGNED:</b>	11/06/2015

#### Total Attachments: 10

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**PATENT ASSIGNMENT**

Electronic Version v1.1

Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY AGREEMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NCOMPUTING, INC.	03/20/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Ares Capital Corporation
<b>Street Address:</b>	2 North LaSalle Street, Suite 925
<b>City:</b>	Chicago
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60602
<b>PROPERTY NUMBERS Total: 31</b>	
<b>Property Type</b>	<b>Number</b>
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

**PATENT****REEL: 037058 FRAME: 0392**

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**

**Fax Number:** 9495676710  
**Phone:** 949-852-7792  
**Email:** ipprosecution@orrick.com

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*

**Correspondent Name:** Victor Santos  
**Address Line 1:** 2050 Main Street, Suite 1100  
**Address Line 4:** IRVINE, CALIFORNIA 92614-8255

<b>ATTORNEY DOCKET NUMBER:</b>	28633-1
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<b>NAME OF SUBMITTER:</b>	Victor Santos
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<b>Signature:</b>	/Victor Santos/
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<b>Date:</b>	05/09/2013
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**Total Attachments: 4**

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**RECEIPT INFORMATION**

**EPAS ID:** PAT2384274  
**Receipt Date:** 05/09/2013  
**Fee Amount:** \$1240

**PATENT****REEL: 037058 FRAME: 0393**

## **GRANT OF SECURITY INTEREST**

### **PATENTS**

This GRANT OF SECURITY INTEREST, dated as of March 20, 2013, is executed by NComputing, Inc., a Delaware corporation ("Grantor"), in favor of Ares Capital Corporation ("Lender").

A. Pursuant to that certain Loan and Security Agreement, dated as of March 20, 2013 (as amended, supplemented or otherwise modified from time to time, the "Loan Agreement"), between Grantor and Lender, Lender agreed to extend loans and other financial accommodations to Grantor upon the terms and subject to the conditions set forth therein.

B. Grantor owns the letters patent of the United States and certain foreign countries, more particularly described on Schedules I-A annexed hereto and made a part hereof (collectively, the "Patents").

C. Grantor and other entities party thereto from time to time have entered into a Security Agreement (Intellectual Property) dated as of March 20, 2013 (as amended, restated, supplemented or otherwise modified from time to time, the "Security Agreement") in favor of Lender.

D. Pursuant to the Security Agreement, Grantor has assigned and granted to Lender a security interest in all right, title and interest of 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 (the "Collateral"), to secure the prompt payment, performance and observance of the Secured Obligations, as defined in the Security Agreement

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Grantor does hereby further grant to Lender a security interest in the Collateral to secure the prompt payment, performance and observance of the Secured Obligations.

Grantor does hereby further acknowledge and affirm that the rights and remedies of Lender with respect to the security interest in the Collateral granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.


The Lender's address is:

Ares Capital Corporation  
2 North LaSalle Street, Suite 925  
Chicago, IL 60602  
Attention: Legal Department

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

**GRANTOR**

NComputing, Inc.,  
a Delaware corporation

By:   
Name: Rajendra Dhillon  
Title: CEO

SCHEDULE 1-A TO GRANT OF SECURITY INTEREST

PATENTS

TITLE	MATTER TYPE	COUNTRY	STATUS	APPLICATION #
SYSTEM AND METHOD FOR AN EFFICIENT DISPLAY DATA TRANSFER ALGORITHM OVER NETWORK	Patent	United States of America	Unfiled - currently working with Subir & Anita to prepare application	
SYSTEM AND METHOD FOR LOW BANDWIDTH DISPLAY INFORMATION TRANSPORT	Patent	United States of America	Pending	12/207,389
SYSTEM AND METHOD FOR COMPUTER NETWORK CONFIGURATION AND OPERATION	Patent	United States of America	Pending	13/669,560
SYSTEM AND METHOD FOR OBTAINING CROSS COMPATIBILITY WITH A PLURALITY OF THIN-CLIENT PLATFORMS	Patent	United States of America	Pending	12/360,400
3D GRAPHICS ACCELERATION IN REMOTE MULTI-USER ENVIRONMENT	Patent	United States of America	Pending	12/395,072
SYSTEM AND METHOD FOR VIRTUAL 3D GRAPHICS ACCELERATION AND STREAMING MULTIPLE DIFFERENT VIDEO STREAMS	Patent	United States of America	Pending	12/395,130
SYSTEM AND METHOD FOR LOW BANDWIDTH DISPLAY INFORMATION TRANSPORT	Patent	United States of America	Pending	12/395,152
OPTIMIZATION OF MEMORY BANDWIDTH IN A MULTI-DISPLAY SYSTEM	Patent	United States of America	Pending	13/548,535
METHOD AND APPARATUS FOR COPY PROTECTING A DIGITAL ELECTRONIC DEVICE	Patent	United States of America	Pending	12/474,681
SYSTEM AND METHOD FOR EFFICIENTLY PROCESSING DIGITAL VIDEO	Patent	United States of America	Pending	12/861,217
SYSTEM AND METHOD FOR A GRAPHICS TERMINAL MULTIPLIER	Patent	United States of America	Pending	13/499,128
SYSTEM AND METHOD FOR A THIN-CLIENT TERMINAL SYSTEM USING A SERIAL BUS	Patent	United States of America	Pending	13/499,537
SYSTEM AND METHOD FOR A THIN-CLIENT TERMINAL SYSTEM WITH A LOCAL SCREEN BUFFER USING A SERIAL BUS	Patent	United States of America	Pending	13/499,516
SYSTEM AND METHOD FOR A THIN-CLIENT TERMINAL SYSTEM SUPPORTING USB DEVICES	Patent	United States of America	Pending	13/499,545
SYSTEM AND METHOD FOR DYNAMIC VIDEO MODE SWITCHING	Patent	United States of America	Pending	13/011,221
SYSTEM AND METHOD FOR ON-THE-FLY KEY COLOR GENERATION	Patent	United States of America	Pending	12/947,294
SYSTEM AND METHOD FOR DOWNSIZING VIDEO DATA FOR MEMORY BANDWIDTH OPTIMIZATION	Patent	United States of America	Pending	12/908,365

TITLE	MATTER TYPE	COUNTRY	STATUS	APPLICATION #
METHOD AND SYSTEM FOR DATA COMMUNICATIONS IN CLOUD COMPUTING ARCHITECTURE	Patent	United States of America	Pending	13/032,387
SYSTEM AND METHOD FOR EFFICIENTLY STREAMING DIGITAL VIDEO	Patent	United States of America	Pending	13/196,143
SYSTEM AND METHOD FOR MULTISTAGE OPTIMIZED JPEG OUTPUT	Patent	United States of America	Pending	13/370,951
SYSTEM AND METHOD FOR AN EFFICIENT DISPLAY DATA TRANSFER ALGORITHM OVER NETWORK	Patent	United States of America	Pending	13/684,080
SYSTEM AND METHOD FOR AN OPTIMIZED ON-THE-FLY TABLE CREATION ALGORITHM	Patent	United States of America	Pending	13/301,429
SYSTEM AND METHOD FOR COMPUTER NETWORK CONFIGURATION AND OPERATION	Patent	United States of America	Issued	12/207,402
SYSTEM AND METHOD FOR COMPUTER NETWORK CONFIGURATION AND OPERATION	Patent	United States of America	Issued	13/018,575
SYSTEM AND METHOD FOR USING VIRTUAL IP ADDRESSES IN A MULTI-USER SERVER SYSTEM	Patent	United States of America	Issued	12/394,876
NETWORK COMPUTING TERMINAL	Design Registration	United States of America	Issued	29/263,151
Network Computing Terminal	Design Registration	United States of America	Issued	29/285,511
OPTIMIZATION OF MEMORY BANDWIDTH IN A MULTI-DISPLAY SYSTEM	Design Registration	United States of America	Issued	12/560,990
NETWORK TERMINAL	Design Registration	United States of America	Issued	29/317,891
ACCESS DEVICE	Design Registration	United States of America	Issued	29/360,371
ACCESS DEVICE	Design Registration	United States of America	Issued	29/360,538
ACCESS DEVICE	Design Registration	United States of America	Issued	29/360,539