

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5656570

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	MERGER
<b>EFFECTIVE DATE:</b>	09/03/2015

**CONVEYING PARTY DATA**

Name	Execution Date
PICCATA FUND LIMITED LIABILITY COMPANY	08/26/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	XENOGENIC DEVELOPMENT LIMITED LIABILITY COMPANY
<b>Street Address:</b>	2711 CENTERVILLE RD, SUITE 400
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19808

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	15883909

**CORRESPONDENCE DATA****Fax Number:** (215)965-1331*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:** 215-965-1330**Email:** dporreca@panitchlaw.com**Correspondent Name:** PANITCH SCHWARZE BELISARIO & NADEL, LLP**Address Line 1:** TWO COMMERCE SQUARE**Address Line 2:** 2001 MARKET STREET, SUITE 2800**Address Line 4:** PHILADELPHIA, PENNSYLVANIA 19103

<b>ATTORNEY DOCKET NUMBER:</b>	688824-135U59
<b>NAME OF SUBMITTER:</b>	JEFFREY W. GLUCK
<b>SIGNATURE:</b>	/Jeffrey W. Gluck/
<b>DATE SIGNED:</b>	08/07/2019

**Total Attachments: 10**

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# Delaware

PAGE 1

*The First State*

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"ACCELERANDO DEVELOPMENT L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"ACTUALNIZE TELECOM DE L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"ADZUKI FOUNDATION PTE. LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"ALTIAM SERVICES LTD. LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"AORISTIC TRANSFER LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"ASTER RISK MANAGEMENT LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"AYECON REMOTE LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"BEAUFORT PROCESSING L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"BEEK FUND B.V. L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,



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151253708

You may verify this certificate online at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2702858

DATE: 09-03-15

PATENT  
REEL: 030085 FRAME: 0790

# Delaware

PAGE 2

*The First State*

"BONANZA TECHNOLOGIES LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"BRICOLAGE FUND LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"BRUMAL SOLUTIONS A.B. LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"CHAFFER AUDIO, L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"CORUSCATING DATA NY LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"DEGAGE LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"DIRECT REIN LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"ECAN AUDIO LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"EFFACED TECHNOLOGIES LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"EMENDABLE ASSETS LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"ENGRAM NETWORKING LLC", A DELAWARE LIMITED LIABILITY

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AUTHENTICATION: 2702858

DATE: 09-03-15

PATENT  
REEL: 030085 FRAME: 0200

# Delaware

PAGE 3

*The First State*

COMPANY,

"ENTROPY PROCESSING NV LLC", A DELAWARE LIMITED LIABILITY  
COMPANY,

"ESTIVATION PROPERTIES LLC", A DELAWARE LIMITED LIABILITY  
COMPANY,

"EXACTA DATA DEVELOPMENT LIMITED LIABILITY COMPANY", A  
DELAWARE LIMITED LIABILITY COMPANY,

"FANTOD AUDIO LIMITED LIABILITY COMPANY", A DELAWARE LIMITED  
LIABILITY COMPANY,

"FAROUCHE SOLUTIONS AG L.L.C.", A DELAWARE LIMITED LIABILITY  
COMPANY,

"FLAXEN HOLDINGS L.L.C.", A DELAWARE LIMITED LIABILITY  
COMPANY,

"GERSHWIN TELECOM A.B. L.L.C.", A DELAWARE LIMITED LIABILITY  
COMPANY,

"GR EIGHT NETWORKING L.L.C.", A DELAWARE LIMITED LIABILITY  
COMPANY,


"HUI CHU TECHNOLOGIES L.L.C.", A DELAWARE LIMITED LIABILITY  
COMPANY,

"HYACINTH AUDIO LLC", A DELAWARE LIMITED LIABILITY COMPANY,

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PATENT  
REEL: 030085 FRAME: 0200

# Delaware

PAGE 4

*The First State*

"IMAGO RESEARCH LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"INEFFABLE CELLULAR LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"IRIS TEMPEST, L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"JETA REMOTE, LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"KITH NETWORKING LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"LAEZER SOLUTIONS LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"LUPINE INVESTMENTS LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"LYON REMOTE L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

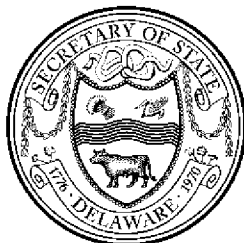
"MANA TRANSFER LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"MANZE PROPERTIES LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"MAUM MGMT. LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

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PATENT  
REEL: 030085 FRAME: 0202

# Delaware

PAGE 5

*The First State*

"MURMURATION TECHNOLOGIES L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"NESKE RESEARCH K.G. L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"NITID ACQUISITIONS LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"NOVA ACQUISITIONS L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"NTH DATA PROCESSING L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"OLIO ASSETS L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"PARSED CAPITAL CO., L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"PEA TREE FOUNDATION L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"PICCATA FUND LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"PIZZICATO WIRELESS AG LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"RELIABLE TACK ACQUISITIONS LLC", A DELAWARE LIMITED

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Jeffrey W. Bullock, Secretary of State  
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DATE: 09-03-15

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PATENT  
REEL: 030085 FRAME: 0202

# Delaware

PAGE 6

*The First State*

LIABILITY COMPANY,

"RESOLUTE FOCUS LIMITED LIABILITY COMPANY", A DELAWARE  
LIMITED LIABILITY COMPANY,

"SEONG CAPITAL LTD. LIMITED LIABILITY COMPANY", A DELAWARE  
LIMITED LIABILITY COMPANY,

"SEVERO HOLDINGS A.B. LLC", A DELAWARE LIMITED LIABILITY  
COMPANY,

"SITO PROCESSING LLC", A DELAWARE LIMITED LIABILITY COMPANY,  
"SQUARE HALT SOLUTIONS, LIMITED LIABILITY COMPANY", A  
DELAWARE LIMITED LIABILITY COMPANY,

"TEEMING DATA LLC", A DELAWARE LIMITED LIABILITY COMPANY,  
"TORQUE CAPITAL SOLUTIONS, LIMITED LIABILITY COMPANY", A  
DELAWARE LIMITED LIABILITY COMPANY,

"ULLAGE MANAGEMENT LLC", A DELAWARE LIMITED LIABILITY  
COMPANY,

"UPLINK REMOTE LIMITED LIABILITY COMPANY", A DELAWARE  
LIMITED LIABILITY COMPANY,

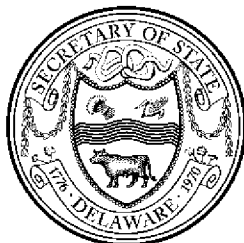
"U.T.D. REMOTE LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"WASSAIL GROUP LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"WHILOM PROCESSING, L.L.C.", A DELAWARE LIMITED LIABILITY

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Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2702858

DATE: 09-03-15

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PATENT  
REEL: 030085 FRAME: 0203



# Delaware

PAGE 7

*The First State*

COMPANY,

"WUYI FOUNDATION LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"X TCHAI Z LTD. LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"ZAMORANO APPLICATIONS LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"ZENITH MGMT. FOUNDATION LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"ZETETIC FOUNDATION L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,


"ZFT CONSULTING LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

WITH AND INTO "XENOGENIC DEVELOPMENT LIMITED LIABILITY COMPANY" UNDER THE NAME OF "XENOGENIC DEVELOPMENT LIMITED LIABILITY COMPANY", A LIMITED LIABILITY COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE THIRD DAY OF SEPTEMBER, A.D. 2015, AT 10:56 O'CLOCK A.M.

5209194 8100M

151253708



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2702858

DATE: 09-03-15

You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

PATENT  
REEL: 030085 FRAME: 0205

**CERTIFICATE OF MERGER  
OF  
NON-SURVIVING ENTITIES LISTED BELOW  
INTO  
XENOGENIC DEVELOPMENT LIMITED LIABILITY COMPANY**

The undersigned entity, organized and existing under and by virtue of the Delaware Limited Liability Company Act, does hereby certify as follows:

I. The name and jurisdiction of formation of the constituent entities are as follows:

<u>Name</u>	<u>Jurisdiction of Formation</u>	<u>Type of Entity</u>
<i>The Surviving Entity:</i>		
Xenogenic Development Limited Liability Company	Delaware	Limited Liability Company
<i>The Non-Surviving Entities:</i>		
Accelerando Development L.L.C.	Delaware	Limited Liability Company
Actualize Telecom DE L.L.C.	Delaware	Limited Liability Company
Adzuki Foundation Pte. I.I.C	Delaware	Limited Liability Company
Altiam Services Ltd. LLC	Delaware	Limited Liability Company
Aoristic Transfer LLC	Delaware	Limited Liability Company
Aster Risk Management LLC	Delaware	Limited Liability Company
Ayecon Remote LLC	Delaware	Limited Liability Company
Beaufort Processing L.L.C.	Delaware	Limited Liability Company
Beck Fund B.V. L.L.C.	Delaware	Limited Liability Company
Bonanza Technologies LLC	Delaware	Limited Liability Company
Bricolage Fund Limited Liability Company	Delaware	Limited Liability Company
Brumal Solutions A.B. Limited Liability Company	Delaware	Limited Liability Company
Chaffer Audio, L.L.C.	Delaware	Limited Liability Company
Coruscating Data NY LLC	Delaware	Limited Liability Company
Degage Limited Liability Company	Delaware	Limited Liability Company
Direct Rein Limited Liability Company	Delaware	Limited Liability Company
Ecan Audio LLC	Delaware	Limited Liability Company
Effaced Technologies LLC	Delaware	Limited Liability Company
Emendable Assets Limited Liability Company	Delaware	Limited Liability Company
Engram Networking LLC	Delaware	Limited Liability Company
Entropy Processing NV LLC	Delaware	Limited Liability Company
Estivation Properties LLC	Delaware	Limited Liability Company
Exacta Data Development Limited Liability Company	Delaware	Limited Liability Company
Fantod Audio Limited Liability Company	Delaware	Limited Liability Company
Farouche Solutions AG L.L.C.	Delaware	Limited Liability Company
Flaxen Holdings L.L.C.	Delaware	Limited Liability Company
Gershwin Telecom A.B. L.L.C.	Delaware	Limited Liability Company
GR Eight Networking L.L.C.	Delaware	Limited Liability Company
Hui Chu Technologies L.L.C.	Delaware	Limited Liability Company
Hyacinth Audio LLC	Delaware	Limited Liability Company

Phyllis Turner-Brim  
E-signed 2015-08-26 03:11PM PDT  
pturnerbrim@intven.com  
Intellectual Ventures  
VP Chief IP Counsel

Byron E Springer Jr  
E-signed 2015-08-26 05:31PM PDT  
bspringer@intven.com

*The Non-Surviving Entities – continuing*

	<i>Jurisdiction of Formation</i>	<i>Type of Entity</i>
Imago Research Limited Liability Company	Delaware	Limited Liability Company
Ineffable Cellular Limited Liability Company	Delaware	Limited Liability Company
Iris Tempest, L.L.C.	Delaware	Limited Liability Company
Jeta Remote, LLC	Delaware	Limited Liability Company
Kith Networking Limited Liability Company	Delaware	Limited Liability Company
LaeZer Solutions Limited Liability Company	Delaware	Limited Liability Company
Lupine Investments LLC	Delaware	Limited Liability Company
Lyon Remote L.L.C.	Delaware	Limited Liability Company
Mana Transfer Limited Liability Company	Delaware	Limited Liability Company
Manze Properties LLC	Delaware	Limited Liability Company
Maum Mgmt. Limited Liability Company	Delaware	Limited Liability Company
Murmuration Technologies L.L.C.	Delaware	Limited Liability Company
Neske Research K.G. L.L.C.	Delaware	Limited Liability Company
Nitid Acquisitions Limited Liability Company	Delaware	Limited Liability Company
Nova Acquisitions L.L.C.	Delaware	Limited Liability Company
Nth Data Processing L.L.C.	Delaware	Limited Liability Company
Olio Assets L.L.C.	Delaware	Limited Liability Company
Parsed Capital Co., L.L.C.	Delaware	Limited Liability Company
Pea Tree Foundation L.L.C.	Delaware	Limited Liability Company
Piccata Fund Limited Liability Company	Delaware	Limited Liability Company
Pizzicato Wireless AG LLC	Delaware	Limited Liability Company
Reliable Tack Acquisitions LLC	Delaware	Limited Liability Company
Resolute Focus Limited Liability Company	Delaware	Limited Liability Company
Seong Capital Ltd. Limited Liability Company	Delaware	Limited Liability Company
Severo Holdings A.B. LLC	Delaware	Limited Liability Company
Sito Processing LLC	Delaware	Limited Liability Company
Square Halt Solutions, Limited Liability Company	Delaware	Limited Liability Company
Teeming Data LLC	Delaware	Limited Liability Company
Torque Capital Solutions, Limited Liability Company	Delaware	Limited Liability Company
U.F.D. Remote LLC	Delaware	Limited Liability Company
Ullage Management LLC	Delaware	Limited Liability Company
Uplink Remote Limited Liability Company	Delaware	Limited Liability Company
Wassail Group LLC	Delaware	Limited Liability Company
Whilom Processing, L.L.C.	Delaware	Limited Liability Company
Wuyi Foundation Limited Liability Company	Delaware	Limited Liability Company
X Tchai Z Ltd. Limited Liability Company	Delaware	Limited Liability Company
Zamorano Applications LLC	Delaware	Limited Liability Company
Zenith Mgmt. Foundation Limited Liability Company	Delaware	Limited Liability Company
Zetetic Foundation L.L.C.	Delaware	Limited Liability Company
ZFT Consulting Limited Liability Company	Delaware	Limited Liability Company

2. An agreement of merger has been approved and executed by each of the constituent entities in accordance with Section 18-209 of the Delaware Limited Liability Company Act.

3. The name of the surviving entity is Xenogenic Development Limited Liability Company.

**Phyllis Turner-Brim**

E-signed 2015-08-26 03:11PM PDT  
pturnerbrim@intven.com  
Intellectual Ventures  
VP Chief IP Counsel

**Byron E Springer Jr**

E-signed 2015-08-26 05:31PM PDT  
bspringer@intven.com

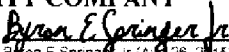
4. The Certificate of Formation of Xenogenic Development Limited Liability Company shall be the Certificate of Formation of the surviving limited liability company.

5. The executed agreement of merger is on file at the principal place of business of the surviving entity located at 3150 139th Avenue SE, Building 4, Bellevue, Washington 98005.

6. A copy of the agreement of merger will be furnished by the surviving entity, on request and without cost, to any member of any constituent limited liability company.

IN WITNESS WHEREOF, the surviving limited liability company has caused this certificate to be signed by an authorized person, dated August 28, 2015.

**XENOGENIC DEVELOPMENT LIMITED  
LIABILITY COMPANY**

By:   
Byron E Springer Jr (Aug 28, 2015)

Name: **Byron E Springer Jr**  
Its: Assistant Secretary

**Phyllis Turner-Brim**  
E-signed 2015-08-26 03:11PM PDT  
pturnerbrim@intven.com  
Intellectual Ventures  
VP Chief IP Counsel

**Byron E Springer Jr**  
E-signed 2015-08-26 05:31PM PDT  
bspringer@intven.com