

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3655021

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	MERGER
<b>EFFECTIVE DATE:</b>	08/19/2015

**CONVEYING PARTY DATA**

Name	Execution Date
PARC ACQUISITIONS LLC	08/12/2015

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 3**

Property Type	Number
Patent Number:	7146564
Patent Number:	7080083
Patent Number:	8484552

**CORRESPONDENCE DATA**

Fax Number: (425)679-0580

*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.*

Email: ivrecording@intven.com

Correspondent Name: PERKINS COIE LLC

Address Line 1: 1201 THIRD AVENUE

Address Line 2: SUITE 4900

Address Line 4: SEATTLE, WASHINGTON 98101

<b>NAME OF SUBMITTER:</b>	INGA FURLONG
<b>SIGNATURE:</b>	/Inga Furlong/
<b>DATE SIGNED:</b>	12/11/2015

**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:

"A.P. NW APPLICATIONS LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"ARCOWV WIRELESS LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"B.H. IMAGE CO. LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"BILSOK DIGITAL LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"BLCK PA CO., L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"BURESIFT DATA LTD. LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"C.A. TRANSFER LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"CNV NETWORKS, LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"COASES INVESTMENTS BROS. L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,


"CYARD VIDEO NETWORKING L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"DETOURE AULE FR, LIMITED LIABILITY COMPANY", A DELAWARE

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Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2664563

DATE: 08-20-15

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at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

PATENT  
REEL: 037274 FRAME: 0539

# Delaware

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*The First State*

LIMITED LIABILITY COMPANY,

"DIO TECHNOLOGY HOLDINGS LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"DN SN DEVELOPMENT LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"DOT ASSETS NO. 114 LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"DOT ASSETS NO. 12 LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"EDWA NETWORKS LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"EVSG TRANSFER GROUP LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"FAR TRACING LTD., LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"FL NA SOFTWARE HOLDING, LLC", A DELAWARE LIMITED LIABILITY COMPANY,


"GIACOMO AG LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"GOVERS PROPERTY MGMT LIMITED LIABILITY COMPANY", A DELAWARE

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PATENT  
REEL: 037274 FRAME: 0540

# Delaware

PAGE 3

*The First State*

LIMITED LIABILITY COMPANY,

"HYPE ELECTRO APPLICATIONS L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"I-BR TECHNOLOGIES, L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"ICHOBUKI INVESTMENT JP, L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"JAH RELAY GROUP, LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"JM MGMT. GROUP LTD. LLC", A DELAWARE LIMITED LIABILITY COMPANY,

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

"KL INTERNET APPLICATIONS, LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"KRANGEROS REMOTE TRANSFER LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"KRUSOKOES V. AG, LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"LARSSON B. SERVICES L.L.C.", A DELAWARE LIMITED LIABILITY

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# Delaware

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*The First State*

COMPANY,

"LCTL. DIGITAL SERVICES L.L.C.", A DELAWARE LIMITED  
LIABILITY COMPANY,

"LEANNOUX PROPERTIES AG L.L.C.", A DELAWARE LIMITED  
LIABILITY COMPANY,

"MAKA VISUAL GMBH LIMITED LIABILITY COMPANY", A DELAWARE  
LIMITED LIABILITY COMPANY,

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

"MGT GAMING TECH. L.L.C.", A DELAWARE LIMITED LIABILITY  
COMPANY,

"MILLSTONE TRANSFER AG, L.L.C.", A DELAWARE LIMITED  
LIABILITY COMPANY,

"NETCOMM TECHNOLOGY LIMITED LIABILITY COMPANY", A DELAWARE  
LIMITED LIABILITY COMPANY,

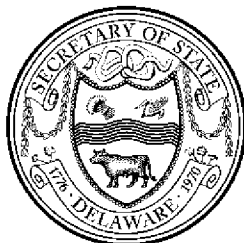
"PARC ACQUISITIONS LLC", A DELAWARE LIMITED LIABILITY  
COMPANY,

"PA S.C. SOLUTIONS LLC", A DELAWARE LIMITED LIABILITY  
COMPANY,

"PATCOM TECHNOLOGY LLC", A DELAWARE LIMITED LIABILITY

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# Delaware

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*The First State*

COMPANY,

"PHT. RETRIEVAL TECH. L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"PRP VIDEO CONSULTING L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"QPS TECH. LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"QUALAETIS FUND LLC", A DELAWARE LIMITED LIABILITY COMPANY,  
"ROANN CIRCUITS TECH LTD, L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"ROES SOFTWARE GROUP CO., LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"SA DIGITAL DATA HOLDINGS, L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"SAS DATA MGMT. LLC", A DELAWARE LIMITED LIABILITY COMPANY,  
"SATECH GROUP A.B. LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,


"SINT HOLDINGS LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"SUTECH DATA SOLUTIONS CO., LLC", A DELAWARE LIMITED

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# Delaware

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*The First State*

LIABILITY COMPANY,

"TEPA DATASOLUTIONS CO., LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"TERMAN SOFTWARE APPLICATIONS L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"TL DIGITAL SYSTEMS L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"TM SF MEDIA HOLDINGS, L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"TRANSEC DATA LIMITED LIABILITY COMPANY", A DELAWARE LIMITED LIABILITY COMPANY,

"T.R. COMMUNICATIONS CA, L.L.C.", A DELAWARE LIMITED LIABILITY COMPANY,

"TRNS. DATA MGMT. LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"TT VISUAL TECHNOLOGY GROUP, LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"UNTIGUOES TECHNOLOGY LLC", A DELAWARE LIMITED LIABILITY COMPANY,

"UV ID CAPITAL SERVICES, LLC", A DELAWARE LIMITED LIABILITY

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Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2664563

DATE: 08-20-15

PATENT  
REEL: 037274 FRAME: 0544



# Delaware

PAGE 7

*The First State*

COMPANY,

"VIATECH COMMUNICATIONS, LLC", A DELAWARE LIMITED LIABILITY  
COMPANY,

"WI IN ELECTRONIC LIMITED LIABILITY COMPANY", A DELAWARE  
LIMITED LIABILITY COMPANY,

"XARAZ PROPERTIES, L.L.C.", A DELAWARE LIMITED LIABILITY  
COMPANY,

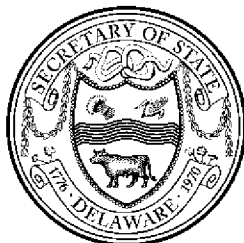
"XATRA FUND MX, LLC", A DELAWARE LIMITED LIABILITY COMPANY,  
"YAKISAMI CAPITAL CO. L.L.C.", A DELAWARE LIMITED LIABILITY  
COMPANY,


"ZILOTROPHE SOFTWARE, LLC", A DELAWARE LIMITED LIABILITY  
COMPANY,

WITH AND INTO "CHARTOLEAUX KG LIMITED LIABILITY COMPANY"  
UNDER THE NAME OF "CHARTOLEAUX KG 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 NINETEENTH DAY OF AUGUST, A.D. 2015, AT 1:38 O'CLOCK P.M.

4476142 8100M

151191249



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 2664563

DATE: 08-20-15

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at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)

PATENT  
REEL: 037274 FRAME: 0545

**CERTIFICATE OF MERGER  
 OF  
 NON-SURVIVING ENTITIES LISTED BELOW  
 INTO  
 CHARTOLEAUX KG 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:

1. 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>		
Chartoleaux KG Limited Liability Company	Delaware	Limited Liability Company
<i>The Non-Surviving Entities :</i>		
DOT Assets No. 12 LLC	Delaware	Limited Liability Company
DOT Assets No. 114 LLC	Delaware	Limited Liability Company
Buresift Data Ltd. LLC	Delaware	Limited Liability Company
C.A. Transfer Limited Liability Company	Delaware	Limited Liability Company
I-BR Technologies, L.L.C.	Delaware	Limited Liability Company
Krusokoes V. AG, LLC	Delaware	Limited Liability Company
SAS Data Mgmt. LLC	Delaware	Limited Liability Company
ArCoWv Wireless LLC	Delaware	Limited Liability Company
Cyard Video Networking L.L.C.	Delaware	Limited Liability Company
Krangeros Remote Transfer LLC	Delaware	Limited Liability Company
Letl. Digital Services L.L.C.	Delaware	Limited Liability Company
Mancly Remote Limited Liability Company	Delaware	Limited Liability Company
Parc Acquisitions LLC	Delaware	Limited Liability Company
Sint Holdings Limited Liability Company	Delaware	Limited Liability Company
Xaraz Properties, L.L.C.	Delaware	Limited Liability Company
Hype Electro Applications L.L.C.	Delaware	Limited Liability Company
Larsson B. Services L.L.C.	Delaware	Limited Liability Company
Millstone Transfer AG, L.L.C.	Delaware	Limited Liability Company
Pa S.C. Solutions LLC	Delaware	Limited Liability Company
QPS Tech. Limited Liability Company	Delaware	Limited Liability Company
Qualaetis Fund LLC	Delaware	Limited Liability Company
A.P. NW Applications LLC	Delaware	Limited Liability Company
Viatech Communications, LLC	Delaware	Limited Liability Company
MaKa Visual GmbH Limited Liability Company	Delaware	Limited Liability Company
Govers Property Mgmt Limited Liability Company	Delaware	Limited Liability Company
Ph. Retrieval Tech. L.L.C.	Delaware	Limited Liability Company
TePa DataSolutions Co., LLC	Delaware	Limited Liability Company
SuTech Data Solutions Co., LLC	Delaware	Limited Liability Company
Jah Relay Group, LLC	Delaware	Limited Liability Company

**Phyllis Turner-Brim**  
 E-signed 2015-08-11 11:51AM PDT  
 pturnerbrim@intven.com  
 Intellectual Ventures  
 VP Chief IP Counsel

**Byron E. Springer Jr.**  
 E-signed 2015-08-12 09:03AM PDT  
 bspringer@intven.com

*The Non-Surviving Entities - continuing*

	<b>Jurisdiction of Formation</b>	<b>Type of Entity</b>
PRP Video Consulting L.L.C.	Delaware	Limited Liability Company
TT Visual Technology Group, LLC	Delaware	Limited Liability Company
EVSG Transfer Group LLC	Delaware	Limited Liability Company
Tm SF Media Holdings, L.L.C.	Delaware	Limited Liability Company
DeToure Aule FR, Limited Liability Company	Delaware	Limited Liability Company
Xatra Fund MX, LLC	Delaware	Limited Liability Company
Yakisami Capital Co. L.L.C.	Delaware	Limited Liability Company
Dn Sn Development Limited Liability Company	Delaware	Limited Liability Company
Far Tracing Ltd., LLC	Delaware	Limited Liability Company
TL Digital Systems L.L.C.	Delaware	Limited Liability Company
Wi In Electronic Limited Liability Company	Delaware	Limited Liability Company
Untigoues Technology LLC	Delaware	Limited Liability Company
B.H. Image Co. LLC	Delaware	Limited Liability Company
Roann Circuits Tech Ltd, L.L.C.	Delaware	Limited Liability Company
Edwa Networks Limited Liability Company	Delaware	Limited Liability Company
MGT Gaming Tech. L.L.C.	Delaware	Limited Liability Company
Trns. Data Mgmt. LLC	Delaware	Limited Liability Company
Ichobuki Investment JP, L.L.C.	Delaware	Limited Liability Company
Patcom Technology LLC	Delaware	Limited Liability Company
TranSec Data Limited Liability Company	Delaware	Limited Liability Company
SA Digital Data Holdings, L.L.C.	Delaware	Limited Liability Company
Bkck PA Co., L.L.C.	Delaware	Limited Liability Company
FL NA Software Holding, LLC	Delaware	Limited Liability Company
Dio Technology Holdings LLC	Delaware	Limited Liability Company
Khi Acquisitions Limited Liability Company	Delaware	Limited Liability Company
Leannoux Properties AG L.L.C.	Delaware	Limited Liability Company
Uv ID Capital Services, LLC	Delaware	Limited Liability Company
Giacomo AG Limited Liability Company	Delaware	Limited Liability Company
Zilotrophe Software, LLC	Delaware	Limited Liability Company
Netcomm Technology Limited Liability Company	Delaware	Limited Liability Company
KI. Internet Applications, LLC	Delaware	Limited Liability Company
Roes Software Group Co., LLC	Delaware	Limited Liability Company
CNV Networks, LLC	Delaware	Limited Liability Company
Terman Software Applications L.L.C.	Delaware	Limited Liability Company
T.R. Communications CA, L.L.C.	Delaware	Limited Liability Company
JM Mgmt. Group Ltd. LLC	Delaware	Limited Liability Company
Bilsok Digital Limited Liability Company	Delaware	Limited Liability Company
SAtech Group A.B. Limited Liability Company	Delaware	Limited Liability Company
Coases Investments Bros. L.L.C.	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 Chartoleaux KG Limited Liability Company

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

**Phyllis Turner-Brim**  
E-signed 2015-08-11 11:51AM PDT  
pturnerbrim@intven.com  
Intellectual Ventures  
VP Chief IP Counsel

**Byron E. Springer Jr.**  
E-signed 2015-08-12 09:03AM PDT  
bspringer@intven.com

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, on August 12, 2015.

**Chartoleaux KG Limited Liability Company**

By: *Byron E. Springer Jr.*  
Byron E. Springer Jr. (Aug 12, 2015)

Name: Byron Springer

Its: Authorized Person

Phyllis Turner-Brim  
E-signed 2015-08-11 11:51AM PDT  
pturnerbrim@intven.com  
Intellectual Ventures  
VP Chief IP Counsel

Byron E. Springer Jr.  
E-signed 2015-08-12 09:03AM PDT  
bspringer@intven.com