

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Alexandru Drimbarean	07/28/2009
Petronel Bigioi	07/28/2009
Peter Corcoran	07/27/2009
Adrian Zamfir	07/21/2009
Felix Albu	07/21/2009
Vlad Poenaru	07/21/2009
Corneliu Florea	07/21/2009
Eran Steinberg	07/08/2009

**RECEIVING PARTY DATA**

Name:	FotoNation Ireland Limited
Street Address:	Cliona, Building 1
Internal Address:	Parkmore East Business Park
City:	Ballybrit, Galway
State/Country:	IRELAND

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	12485316

**CORRESPONDENCE DATA**

Fax Number: (408)321-2905  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 4083216060  
 Email: krogers@tessera.com  
 Correspondent Name: Karen Rogers/Tessera, Inc.  
 Address Line 1: 3025 Orchard Parkway  
 Address Line 4: San Jose, CALIFORNIA 95134

**500944544**

**PATENT  
 REEL: 023139 FRAME: 0766**

**CH \$40.00 12485316**

ATTORNEY DOCKET NUMBER:	FN-255-US
NAME OF SUBMITTER:	Andrew V. Smith
<p>Total Attachments: 9 source=FN-255-US_Assignment-IE-signed#page1.tif source=FN-255-US_Assignment-IE-signed#page2.tif source=FN-255-US_Assignment-IE-signed#page3.tif source=FN-255-US_Assignment-RO_signed#page1.tif source=FN-255-US_Assignment-RO_signed#page2.tif source=FN-255-US_Assignment-RO_signed#page3.tif source=FN-255-US_Assignment-RO_signed#page4.tif source=FN-255-US_Assignment-ES_signed#page1.tif source=FN-255-US_Assignment-ES_signed#page2.tif</p>	

**ASSIGNMENT**

WHEREAS Alexandru Drimborean, Petronel Bigioi, and Peter Corcoran, with others, made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled:

**LOW-LIGHT VIDEO FRAME ENHANCEMENT**

\_\_\_ issued as U.S Patent No. \_\_\_\_\_  
X filed as U. S. Serial No. 12/485,316 on June 16, 2009  
\_\_\_ filed as PCT Serial No. \_\_\_\_\_ on \_\_\_\_\_  
\_\_\_ filed herewith

WHEREAS, FotoNation Ireland Limited, a Irish Limited Corporation with offices in Cliona, Building 1, Parkmore East Business Park, Ballybrit, Galway, Republic of Ireland, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, effective as of the date this document is executed, hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or

them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

6. Assignors hereby authorize the Assistant Commissioner for Patent to record this Agreement.

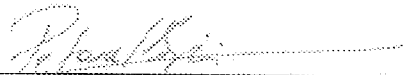
IN WITNESS WHEREOF

Date 28-7-09, 2009

  
Alexandru Drimborean

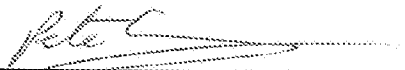
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Date 29/07/09, 2009

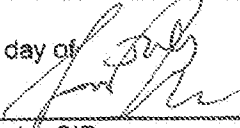
  
Petronel Bigioi

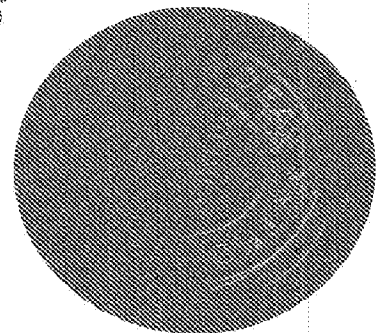
IN WITNESS WHEREOF

Date 27/07, 2009

  
Peter Corcoran

Subscribed to by signatures  
with whose identities I have first satisfied  
myself  
this 29 day of July 2009

  
Thomas St. John O'Dea  
Notary Public, Galway  
Commissioned for Life



APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country Ireland

This public document

2. has been signed by

3. acting in the capacity of

4. bears the seal/stamp of

Certified

5. at Dublin

4/8/09

7. by the Department of Foreign Affairs

8. No.

36208/09

9. Seal/Stamp:

10. Signature:

*Debra G...*

*Thomas St John O'Bea  
Notary Public*

**ASSIGNMENT**

WHEREAS Adrian Zamfir, Felix Albu, Vlad Poenaru, and Corneliu Florea, with others, made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled:

**LOW-LIGHT VIDEO FRAME ENHANCEMENT**

\_\_\_\_\_ issued as U.S Patent No. \_\_\_\_\_  
X filed as U. S. Serial No. 12/485,316 on June 16, 2009  
\_\_\_\_\_ filed as PCT Serial No. \_\_\_\_\_ on \_\_\_\_\_  
\_\_\_\_\_ filed herewith

WHEREAS, FotoNation Ireland Limited, a Irish Limited Corporation with offices in Cliona, Building 1, Parkmore East Business Park, Ballybrit, Galway, Republic of Ireland, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, effective as of the date this document is executed, hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein, or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or

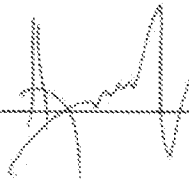
them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

6. Assignors hereby authorize the Assistant Commissioner for Patent to record this Agreement.

This document is drawn up in Romania.

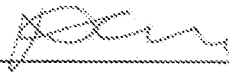
IN WITNESS WHEREOF

Date July 21, 2009

  
\_\_\_\_\_  
Adrian Zamfir

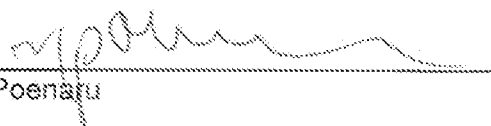
IN WITNESS WHEREOF

Date July 21, 2009

  
\_\_\_\_\_  
Felix Albu


IN WITNESS WHEREOF

Date July 21, 2009

  
\_\_\_\_\_  
Vlad Poenaru

IN WITNESS WHEREOF

Date July 21, 2009

  
\_\_\_\_\_  
Corneliu Florea

ROMÂNIA  
B.N.P.A. - BAIAS ȘI ASOCIAȚII  
CALEA PLEVNEI NR.131A, sector 1, BUCUREȘTI  
CIF RO 17092980

Înregistrat la A.N.S.P.D.C.P. nr.8282/2008  
tel/fax: 021.319.13.30; 021.319.13.31; 021.319.13.32

ÎNCHEIERE DE AUTENTIFICARE NR. 1958  
Anul 2009 Luna iulie Ziua 22

În fata mea, CRISTEA DRAGOȘ CRISTIAN, notar public, s-au prezentat:

ZAMFIR ADRIAN CONSTANTIN, cetățean român, domiciliat în București str. Sg. Maj. Nedeleanu nr.7, bl.P33, sc.1, ap.13, sector 5, posesorul CI seria RT nr.546536/20.03.2008, emis de SPCEP S6 biroul nr.2, CNP 1540407400615,

ALBU FELIX, cetățean român, domiciliat în București Cal. Văcărești nr.338, bl.15, sc.B, et.7, ap.53, sector 4, posesorul CI seria RD nr.316682/26.05.2003, emis de Secția 14, CNP 1690604150374,

POENARU VLAD-ANDREI, cetățean român, domiciliat în București Cal. Crângași nr.14, bl.40, sc.A, et.4, ap.13, sector 6, posesorul CI seria RT nr.349836/10.08.2004, emis de Secția 20, CNP 1800517450043,

FLOREA CORNELIU-NICOLAE, cetățean român, domiciliat în București str. Valea Oitului nr.10, bl.A27, sc.B, et.2, ap.22, sector 6, posesorul CI seria RT nr.536730/22.01.2008, emis de SPCEP S6 biroul nr.3, CNP 1800923410123,

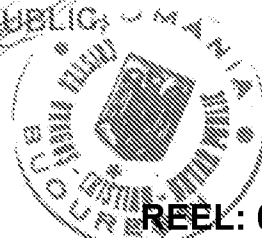
care, după citirea actului, au consimțit la autentificarea prezentului înscris și au semnat toate cele 2 exemplare ale sale.

Actul a fost redactat de notarul public și semnat la sediul biroului notarial.

S-a perceput onorariul notarial de 80 lei (inclusiv T.V.A.), cu bonul fiscal nr.2./2009 emis de Biroul Notarial.

În temeiul art. 8 lit. b și art.49 lit. g din Legea nr. 36/1995  
se declară autentic prezentul înscris.

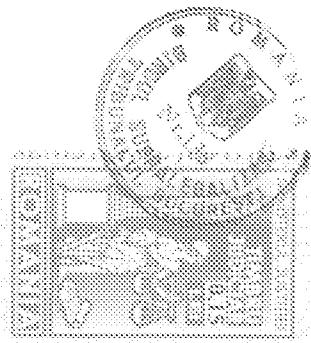
NOTAR PUBLIC



PATENT

REEL: 023139 FRAME: 0773





APOSTILLE

(CONVENTION DE LA HAYE DU 5 OCTOBRE 1961)

1. TARĂ ROMÂNIA

Prezentul act oficial

2. a fost semnat de Grigora D. B.

3. în calitate de NOTAR PUBLIC

4. poartă sigiliul / stampila BIROULUI NOTARIAL

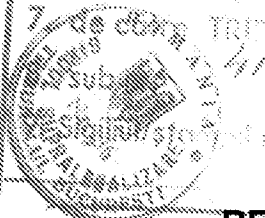
Atestat

23 JUL 2009

5. la BUCUREȘTI

6. data

7. BIROUL DE NOTARIE TRITICIMUL BUCUREȘTI



10. Semnătura:

**PATENT**

REEL: 023139 FRAME: 0774

## ASSIGNMENT

WHEREAS Eran Steinberg, with others, made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled:

### LOW-LIGHT VIDEO FRAME ENHANCEMENT

\_\_\_\_\_ issued as U.S Patent No. \_\_\_\_\_  
X filed as U. S. Serial No. 12/485,316 on June 16, 2009  
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2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or any other relevant convention or treaty or otherwise;
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them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

6. Assignors hereby authorize the Assistant Commissioner for Patent to record this Agreement.

IN WITNESS WHEREOF

Date July 8<sup>th</sup>, 2009

  
\_\_\_\_\_  
Eran Steinberg


State of North Carolina

County of Mecklenburg

Before me, a Notary Public in and for the State of North Carolina,  
On this 8 day of July, 2009, personally appeared Eran Steinberg,  
who being duly sworn, signed and acknowledged the foregoing Assignment as his/her free act  
and deed.

TRACI G DAVENPORT  
NOTARY PUBLIC  
MECKLENBURG COUNTY, NC  
My Commission Expires 3-19-2013

(Seal)

  
\_\_\_\_\_  
NOTARY PUBLIC  
My Commission Expires: 3.19.13