

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																				
NATURE OF CONVEYANCE:	ASSIGNMENT																				
CONVEYING PARTY DATA																					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ruxandra Vranceanu</td> <td>01/18/2011</td> </tr> <tr> <td>Adrian Zamfir</td> <td>01/18/2011</td> </tr> <tr> <td>Felix Albu</td> <td>01/18/2011</td> </tr> <tr> <td>Vlad Poenaru</td> <td>01/18/2011</td> </tr> <tr> <td>Corneliu Florea</td> <td>01/18/2011</td> </tr> <tr> <td>Alexandru Drimbarean</td> <td>01/05/2011</td> </tr> <tr> <td>Petronel Bigioi</td> <td>01/06/2011</td> </tr> <tr> <td>Peter Corcoran</td> <td>01/17/2011</td> </tr> <tr> <td>Eran Steinberg</td> <td>04/29/2011</td> </tr> </tbody> </table>		Name	Execution Date	Ruxandra Vranceanu	01/18/2011	Adrian Zamfir	01/18/2011	Felix Albu	01/18/2011	Vlad Poenaru	01/18/2011	Corneliu Florea	01/18/2011	Alexandru Drimbarean	01/05/2011	Petronel Bigioi	01/06/2011	Peter Corcoran	01/17/2011	Eran Steinberg	04/29/2011
Name	Execution Date																				
Ruxandra Vranceanu	01/18/2011																				
Adrian Zamfir	01/18/2011																				
Felix Albu	01/18/2011																				
Vlad Poenaru	01/18/2011																				
Corneliu Florea	01/18/2011																				
Alexandru Drimbarean	01/05/2011																				
Petronel Bigioi	01/06/2011																				
Peter Corcoran	01/17/2011																				
Eran Steinberg	04/29/2011																				
RECEIVING PARTY DATA																					
<table border="1"> <tr> <td>Name:</td> <td>Tessera Technologies Ireland Limited</td> </tr> <tr> <td>Street Address:</td> <td>Cliona, Building One</td> </tr> <tr> <td>Internal Address:</td> <td>Parkmore East Business Park, Ballybrit</td> </tr> <tr> <td>City:</td> <td>Galway</td> </tr> <tr> <td>State/Country:</td> <td>IRELAND</td> </tr> </table>		Name:	Tessera Technologies Ireland Limited	Street Address:	Cliona, Building One	Internal Address:	Parkmore East Business Park, Ballybrit	City:	Galway	State/Country:	IRELAND										
Name:	Tessera Technologies Ireland Limited																				
Street Address:	Cliona, Building One																				
Internal Address:	Parkmore East Business Park, Ballybrit																				
City:	Galway																				
State/Country:	IRELAND																				
PROPERTY NUMBERS Total: 1																					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14012806</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14012806																
Property Type	Number																				
Application Number:	14012806																				
CORRESPONDENCE DATA																					
Fax Number:	4154496928																				
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																					
Phone:	408-218-3315																				
Email:	asmith@doc.com																				
Correspondent Name:	FotoNation/DOC Patent Legal Dept.																				
Address Line 1:	3025 Orchard Parkway																				
Address Line 2:	Attn: Andrew V. Smith, Ph.D.																				

CH \$40.00 14012806

Address Line 4: San Jose, CALIFORNIA 95134	
ATTORNEY DOCKET NUMBER:	FN-360-DIV-US
NAME OF SUBMITTER:	Andrew V. Smith, Reg. No. 43,132
Signature:	/Andrew Vernon Smith/
Date:	08/28/2013
<p>Total Attachments: 10</p> <p>source=FN-360-US-Assignment#page1.tif</p> <p>source=FN-360-US-Assignment#page2.tif</p> <p>source=FN-360-US-Assignment#page3.tif</p> <p>source=FN-360-US-Assignment#page4.tif</p> <p>source=FN-360-US-Assignment#page5.tif</p> <p>source=FN-360-US-Assignment#page6.tif</p> <p>source=FN-360-US-Assignment#page7.tif</p> <p>source=FN-360-US-Assignment#page8.tif</p> <p>source=FN-360-US-Assignment#page9.tif</p> <p>source=FN-360-US-Assignment#page10.tif</p>	

ASSIGNMENT

WHEREAS Ruxandra Vranceanu, Alexandru Drimbarean, Adrian Zamfir, Felix Albu, Vlad Poenaru, Corneliu Florea, Petronel Bigioi, Eran Steinberg, and Peter Corcoran made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled:

tone mapping for low-light video frame enhancement

☐ filed herewith
☒ filed as U.S. Serial No. 12/941,983 on November 8, 2010
☐ as PCT Serial No. _____ on _____
☐ issued as U.S. Patent No. _____ on _____

WHEREAS, Tessera Technologies Ireland Limited, having a place of business at Cliona, Building One, 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;

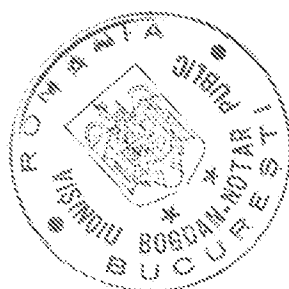
NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, effective as of the date this document is executed, hereby, without reservation;

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: 18.01.2011

Vranceanu R

Ruxandra Vranceanu

IN WITNESS WHEREOF

Date: 18. Jan. 2011

Adrian Zamfir
Adrian Zamfir

IN WITNESS WHEREOF

Date: 18.01.2011

Felix Albu
Felix Albu

IN WITNESS WHEREOF

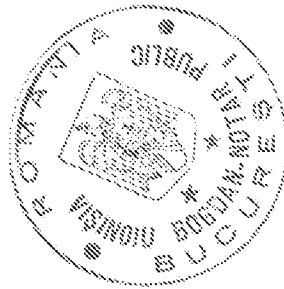
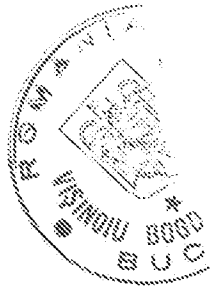
Date: 18.01.2011

Vlad Poenaru
Vlad Poenaru

IN WITNESS WHEREOF

Date: 18.01.2011

Corneliu Florea
Corneliu Florea





R O M Â N I A
B.N.P.A. - BAIAS ȘI ASOCIAȚII
CALEA PLEVNEI NR.131A, sector 1, BUCUREȘTI,
CIF RO 17092980
înregistrat la ANSPDCP sub nr.8282/2008
tel/fax: 021.319.13.30; 021.319.13.31; 021.319.13.32

ÎNCHEIERE DE LEGALIZARE DE SEMNĂTURĂ NR.438
Anul 2011 Luna ianuarie Ziua 18

În fața mea, **VIȘINOIU BOGDAN**, notar public, s-au prezentat:

- **VRÂNCEANU RUXANDRA**, cetățean român, născută la data de 21.10.1986 în Mun. Medgidia, jud. Constanța, domiciliată în Mun. București, str. Prisaca Dornei nr.4, bl.D4, sc.1, et.5, ap.119, sector 3, identificată cu CI seria RD nr.680468/20.10.2010 emisă de S.P.C.E.P. Sector 3, CNP 2861021132818,
- **ZAMFIR ADRIAN-CONSTANTIN**, cetățean român, născut la data de 07.04.1954 în Orș. Titu, jud. Dâmbovița, domiciliat Mun. București, Str. Sg. maj. Ion Nedeleanu nr.7, bl.P33, sc.1, et.4, ap.13, sector 5, identificat cu CI seria RT nr.546536/20.03.2008 emisă de SPCEP S5 biroul nr.2, CNP 1540407400615,
- **ALBU FELIX**, cetățean român, născut la data de 04.06.1969 în Com. Morteni, jud. Dâmbovița, domiciliat Mun. București, Cal. Văcărești nr.338, bl.15, sc.B, et.7, ap.53, sector 4, identificat cu CI seria RD nr.316682/26.05.2003 emisă de Secția 14, CNP 1690604150374,
- **POENARU VLAD-ANDREI**, cetățean român, născut la data de 17.05.1980 în Mun. București, sector 5, domiciliat Mun. București, Cal. Crângași nr.14, bl.40, sc.A, et.4, ap.13, sector 6, identificat cu CI seria RT nr.349836/10.08.2004 emisă de Secția 20, CNP 1800517450043,
- **FLOREA CORENLIU-NICOLAE**, cetățean român, născut la data de 23.09.1980 în Mun. București, sector 1, domiciliat Mun. București, Str. Valea Oltului nr.10, bl.A27, sc.B, et.2, ap.22, sector 6, identificat cu CI seria RT nr.536730/22.01.2008 emisă de SPCEP S6, biroul nr.3, CNP 1800923410123,

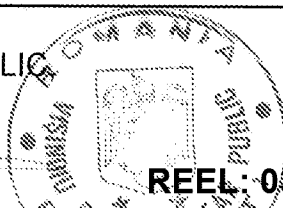
care au citit și au semnat prezentul înscris – ASSIGNMENT nr. FN-360-US - în 2(două) exemplare.

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

S-a perceput onorariul notarial de 100 lei (inclusiv TVA) cu bonul fiscal nr. 100/2011 emis de Biroul notarial.

Se legalizează semnăturile de pe prezentul înscris
în temeiul art. 89 din Legea 36/1995.

NOTAR PUBLIC



PATENT

REEL: 031104 FRAME: 0425



APOSTILLE
(Convention de la Haye
du 5 octobre 1961)

1. Țara ROMÂNIA

Prezentul act oficial

2. a fost semnat de *VISINOIU BOGDAN*

3. în calitate de *NOTAR PUBLIC*

4. poartă sigiliul / stampila *NOTAR PUBLIC*

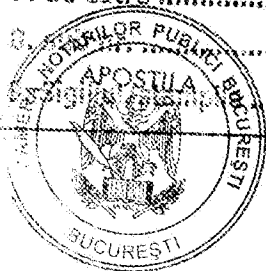
Atestat

5. la *BUCURESTI* 6. data *24.01.2011*

7. de către *CHIEȘA NOTARILOR PUBLICI ROMÂNIA*

8. *992*

9. *APOSTILA* 10. Semnătura *[Signature]*



PATENT

REEL: 031104 FRAME: 0426

ASSIGNMENT

WHEREAS Ruxandra Vranceanu, Alexandru Drimbarean, Adrian Zamfir, Felix Albu, Vlad Poenaru, Corneliu Florea, Petronel Bigioi, Eran Steinberg, and Peter Corcoran made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled:

TONE MAPPING FOR LOW-LIGHT VIDEO FRAME ENHANCEMENT

<input type="checkbox"/>	filed herewith		
<input checked="" type="checkbox"/>	filed as U.S. Serial No.	12/941,983	on November 8, 2010
<input type="checkbox"/>	as PCT Serial No.		on
<input type="checkbox"/>	issued as U.S. Patent No.		on

WHEREAS, Tessera Technologies Ireland Limited, having a place of business at Cliona, Building One, 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;

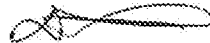
4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to 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: 5-Jan-2011



Alexandru Drimbarean

IN WITNESS WHEREOF

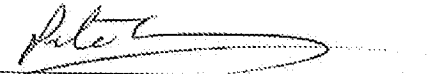
Date: 06 JAN 2011



Petronel Bigioi

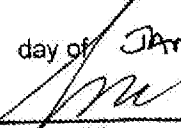
IN WITNESS WHEREOF

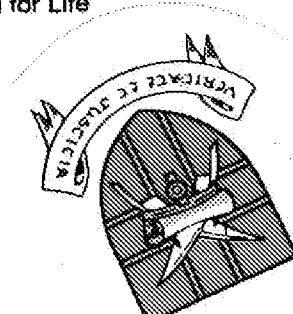
Date: 17/1/2011



Peter Corcoran

Subscribed to by signatories
with whose identities I have first satisfied
myself
this 24 day of January 20 10


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



PATENT

REEL: 031104 FRAME: 0428

ASSIGNMENT

WHEREAS Ruxandra Vranceanu, Alexandru Drimbarean, Adrian Zamfir, Felix Albu, Vlad Poenaru, Corneliu Florea, Petronel Bigioi, Eran Steinberg, and Peter Corcoran made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled:

tone mapping for low-light video frame enhancement

☐ filed herewith
☒ filed as U.S. Serial No. 12/941,983 on November 8, 2010
☐ as PCT Serial No. _____ on _____
☐ issued as U.S. Patent No. _____ on _____

WHEREAS, Tessera Technologies Ireland Limited, having a place of business at Cliona, Building One, 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: April 28-2011


Eran Steinberg

ACKNOWLEDGMENT

State of California

County of _____)

On _____ before me, _____
(insert name and title of the officer)

personally appeared _____,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)