

## 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>Pavel Reshidko</td> <td>02/23/2011</td> </tr> <tr> <td>Gal Shabtay</td> <td>02/24/2011</td> </tr> <tr> <td>Ephraim Goldenberg</td> <td>02/28/2011</td> </tr> </tbody> </table>		Name	Execution Date	Pavel Reshidko	02/23/2011	Gal Shabtay	02/24/2011	Ephraim Goldenberg	02/28/2011
Name	Execution Date								
Pavel Reshidko	02/23/2011								
Gal Shabtay	02/24/2011								
Ephraim Goldenberg	02/28/2011								
RECEIVING PARTY DATA									
<table border="1"> <tr> <td>Name:</td> <td>DigitalOptics Corporation Europe Limited</td> </tr> <tr> <td>Street Address:</td> <td>Cliona, Building One 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:	DigitalOptics Corporation Europe Limited	Street Address:	Cliona, Building One Parkmore East Business Park, Ballybrit	City:	Galway	State/Country:	IRELAND
Name:	DigitalOptics Corporation Europe Limited								
Street Address:	Cliona, Building One 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>13026937</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13026937				
Property Type	Number								
Application Number:	13026937								
CORRESPONDENCE DATA									
<p>Fax Number: (216)696-8731</p> <p>Phone: 216-696-8730</p> <p>Email: epas@thepatentattorneys.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Turocy &amp; Watson, LLP</p> <p>Address Line 1: 127 Public Square</p> <p>Address Line 2: 57th Floor, Key Tower</p> <p>Address Line 4: Cleveland, OHIO 44114</p>									
ATTORNEY DOCKET NUMBER:	2010-131/TESSP107US								
NAME OF SUBMITTER:	Thomas Watson								
<p>Total Attachments: 13</p> <p>source=IO1-0626-US-01 Assignment executed - All Inventors#page1.tif</p>									

OP \$40.00 13026937

source=IO1-0626-US-01 Assignment executed - All Inventors#page2.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page3.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page4.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page5.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page6.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page7.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page8.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page9.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page10.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page11.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page12.tif  
source=IO1-0626-US-01 Assignment executed - All Inventors#page13.tif

Nº 33/2011

מס' 33/2011

AUTHENTICATION OF  
SIGNATURE

אימות חתימה

I, the undersigned, Advocate Roni  
Simon, Notary at 1 Ben Gurion Rd.  
Bnei-Brak, hereby certify that on the  
23<sup>th</sup> of February 2011

אני הח"מ, עו"ד רוני סימון, נוטריון  
בבני ברק רחוב דרך בן גוריון 1,  
מאשר כי ביום 23 בפברואר 2011  
ניצב לפני במשרדי:

there appeared, before me at my office,

Mr. Pavel Reshidko whose identity was  
proved to me by his Israeli Identity  
Card N° 323454629 issued by the  
Ministry of Interior at on 28/3/2001.

מר רשידקו פבל, שזהותו הוכחה לי על  
פי תעודת זהות ישראלית מס' 323454629  
שהוצאה ע"י משרד הפנים בחולון  
ביום 28/3/2001.

and the above said signed of his own  
free will the attached document marked  
"A".

והנ"ל חתם מרצונו החופשי על המסמך  
המצורף והמסומן "A".

In witness thereof, I hereby authenticate  
the signature of Mr. Pavel Reshidko  
by my own signature and seal this 23<sup>th</sup>  
of February 2011.

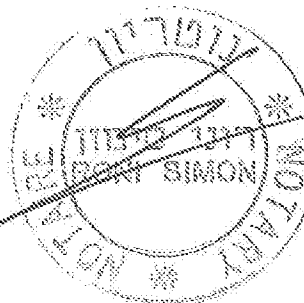
אשר על כן, הנני מאשר את חתימתו  
של החותם הנ"ל, מר רשידקו פבל  
בחתימת ידיו ובחותמי, היום 23 בפברואר  
2011.

חתימת הנוטריון

Signature

Notary's Seal

חותם הנוטריון



PATENT

REEL: 027786 FRAME: 0546

# APOSTILLE

(Convention de la Haye du 5 Octobre 1961)

## 1. STATE OF ISRAEL

This public document

## 1. מדינת ישראל

מסמך ציבורי זה

## 2. Has been signed by,

Advocate B. S. MON

## 2. נחתם בידי

עו"ד פריס

## 3. acting in capacity of Notary

## 3. המכהן בתור נוטריון

## 4. bears the seal/stamp of the above Notary

## 4. נושא את החותם/החותמות

של הנוטריון הנ"ל

## Certified

## אושר

## 5. at the district court of Tel Aviv-Jaffa

## 5. בבית המשפט המחוזי, תל אביב-יפו

## 6. Date

02.03.2011

## 6. ביום

## 7. by an official appointed by Minister of Justice under the Notaries Law, 1976

## 7. על ידי מי שמונה בידי שר המשפטים לפי חוק הנוטריונים, התשל"ו-1976

## 8. Serial number

2458

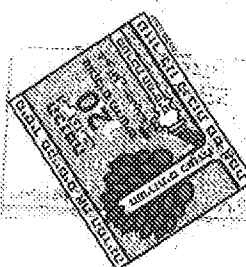
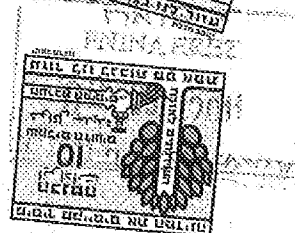
## 8. מס' סידורי

## 9. Seal/Stamp

## 9. החותם/החותמות

## 10. Signature

## 10. חתימה



N° 33/2011

מס' 33/2011

AUTHENTICATION OF  
SIGNATURE

אימות חתימה

I, the undersigned, Advocate Roni Simon, Notary at 1 Ben Gurion Rd. Bnei-Brak, hereby certify that on the 24<sup>th</sup> of February 2011, there appeared, before me at my office,

Mr. GAL SHABTAY whose identity was proved to me by his Israeli Identity Card N° 027151158 issued by the Ministry of Interior at Tel-Aviv Center on 4/8/2005.

and the above said signed of his own free will the attached document marked "A".

In witness thereof, I hereby authenticate the signature of Mr GAL SHABTAY by my own signature and seal this 24<sup>th</sup> of February 2011.

אני הח"מ, עו"ד רוני סימון, נוטריון בבני ברק רחוב בן גוריון 1, מאשר כי ביום 24 בפברואר 2011 ניצב לפני במשרדי:

מר גל שבתאי, שזהותו הוכחה לי על פי תעודת זהות ישראלית מס' 027151158 שהוצאה ע"י משרד הפנים בת"א - מרכז ביום 4/8/2005.

והנ"ל חתם מרצונו החופשי על המסמך המצורף והמסומן "A".

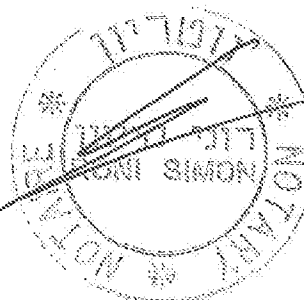
אשר על כן, הנני מאשר את חתימתו של החותם הנ"ל, מר גל שבתאי בחתימת ידי ובחותמי, היום 24 בפברואר 2011.

חתימת הנוטריון

Signature

Notary's Seal

חותם הנוטריון



PATENT

REEL: 027786 FRAME: 0518

N° 33/2011

מס' 33/2011

**AUTHENTICATION OF  
SIGNATURE**

**אימות חתימה**

I, the undersigned, Advocate Roni Simon, Notary at 1 Ben Gurion Rd. Bnei-Brak, hereby certify that on the 28<sup>th</sup> of February 2011 there appeared, before me at my office,

אני הח"מ, עו"ד רוני סימון, נוטריון בבני ברק רחוב דרך בן גוריון 1, מאשר כי ביום 28 בפברואר 2011 ניצב לפני במשרדי:

Mr.EPHRAIM GOLDENBERG whose identity was proved to me by his Israeli Identity Card N° 053377636 issued by the Ministry of Interior at ASHDOD on 7/8/2001.

מר גולדנברג אפרים, שזהותו הוכחה לי על פי תעודת זהות ישראלית מס' 053377636 שהוצאה ע"י משרד הפנים באשדוד ביום 7/8/2001.

and the above said signed of his own free will the attached document marked "A".

והנ"ל חתם מרצונו החופשי על המסמך המצורף והמסומן "A".

In witness thereof, I hereby authenticate the signature of Mr. EPHRAIM GOLDENBERG by my own signature and seal this 28<sup>th</sup> of February 2011.

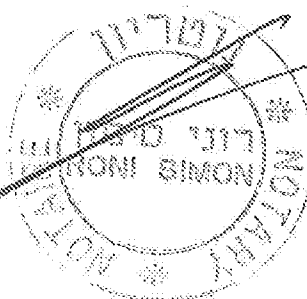
אשר על כן, הנני מאשר את חתימתו של התחתם הנ"ל, מר גולדנברג אפרים בחתימת ידי ובחותמי, היום 28 בפברואר 2011.

חתימת הנוטריון

Signature

Notary's Seal

חותם הנוטריון



**PATENT**

**REEL: 027786 FRAME: 0519**



**ASSIGNMENT OF PATENT RIGHTS**

- (1) For good and valuable consideration, the receipt of which is hereby acknowledged, I [we], the undersigned inventor[s]:

Given Name: Pavel Reshidko

Residence: Tel-Aviv, Israel

Citizenship: Israel

Mailing Address: Tel Aviv Development Center, 6 Habarzel Street

Tel-Aviv 69710, Israel

Given Name: Gal Shabtay

Residence: Tel-Aviv, Israel

Citizenship: Israel

Mailing Address: Tel Aviv Development Center, 6 Habarzel Street

Tel-Aviv 69710, Israel

Given Name: Ephraim Goldenberg

Residence: Tel-Aviv, Israel

Citizenship: Israel

Mailing Address: Tel Aviv Development Center, 6 Habarzel Street

Tel-Aviv 69710, Israel

hereby sell, assign, transfer, and convey unto:

**Tessera Technologies Ireland Limited**

a corporation organized under the laws of Ireland, having an address at Cliona, Building One Parkmore East Business Park, Ballybrit, Galway, Ireland ("Assignee"), and its successors, assigns and legal representatives, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, "Patent Rights"):



- (a) The U.S. Patent Application ("Application") entitled:

**COMPACT DISTORTED ZOOM LENS FOR SMALL ANGLE OF VIEW**

which was filed on February 14, 2011 as

United States Application Number 13/026,937 and

which has been executed by the undersigned prior hereto or concurrently herewith;

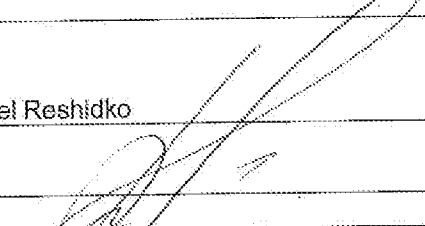
- (b) any and all patents and patent applications (i) to which the Application directly or indirectly claims priority, (ii) for which the Application directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Application;
- (c) any and all reissue applications, reexaminations, extensions, continuation applications, continuation-in-part applications, continuing prosecution applications, requests for continued examination, divisional applications, substitute applications, renewal applications, registrations, and any and all other patent applications that have been or shall be filed in the U.S. relating to any item in any of the foregoing categories (a) and (b);
- (d) any and all patents (including, without limitation, reissues, continuations, continuations in part and divisions) issuing from or relating to any of the foregoing categories (a) through (c);
- (e) any and all foreign patents, foreign patent applications, and foreign counterparts relating to any item in any of the foregoing categories (a) through (d), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- (f) any and all items in any of the foregoing in categories (a) through (e) whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (g) any and all inventions, invention disclosures, improvements, and discoveries described in any item in any of the foregoing categories (a) through (e) and all other rights arising out of such inventions, invention disclosures, improvements, and discoveries;
- (h) any and all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (e) and (g), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- (i) any and all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any item in any of the foregoing categories (a) through (e), (g), and (h), including, without limitation, all causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) any other remedies of any kind for past, current, and future infringement; and
- (j) any and all rights to collect royalties and other payments under or on account of any item in any of the foregoing categories (a) through (e) and (g) through (i).

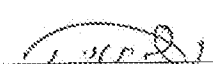





- (2) I [we] agree to, at the reasonable request of Assignee and without demanding any further consideration therefore, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. Such assistance will include providing prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, powers of attorney, specifications, declarations or other papers, and other assistance reasonably necessary for filing patent applications, complying with any duty of disclosure, and conducting prosecution, reexamination, reissue, interference or other priority proceedings, opposition proceedings, cancellation proceedings, public use proceedings, infringement or other court actions and the like with respect to the Patent Rights. With prior written approval by Assignee, Assignee will pay Assignor's reasonable costs and expenses.
- (3) I [we] agree that said Assignee may apply for and receive patent or patents for said Patent Rights in its own name, and hereby authorize the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.
- (4) I [we] covenant that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others or will be made to others, and that full right to convey the Patent Rights as herein expressed is possessed.
- (5) I [we] hereby authorize and request the attorneys of Turocy & Watson, LLP of Cleveland, OH and Bellevue, WA to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.
- (6) I [we] agree that the terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon the undersigned.

Inventor[s]:

Inventor's Name:	<u>Pavel Reshidko</u>	
Inventor's Signature:		Date <u>23.02.11</u>

Inventor's Name:	<u>Gal Shabtay</u>	
Inventor's Signature:		Date <u>24.02.11</u>

Inventor's Name: Ephraim Goldenberg

Inventor's Signature: 

Date 28.2.11



### ASSIGNMENT OF PATENT RIGHTS

- (1) For good and valuable consideration, the receipt of which is hereby acknowledged, I [we], the undersigned inventor[s]:

Given Name:	Pavel Reshidko	
Residence:	Tel-Aviv, Israel	Citizenship: Israel
Mailing Address:	Tel Aviv Development Center, 6 Habarzel Street	
	Tel-Aviv 69710, Israel	

Given Name:	Gal Shabtay	<i>GAL SHABTAY 5/24/11</i>
Residence:	Tel-Aviv, Israel	Citizenship: Israel
Mailing Address:	Tel Aviv Development Center, 6 Habarzel Street	
	Tel-Aviv 69710, Israel	

Given Name:	Ephraim Goldenberg	<i>E 5.24.11</i>
Residence:	Tel-Aviv, Israel	Citizenship: Israel
Mailing Address:	Tel Aviv Development Center, 6 Habarzel Street	
	Tel-Aviv 69710, Israel	

hereby sell, assign, transfer, and convey unto:

### **Tessera Technologies Ireland Limited**

a corporation organized under the laws of Ireland, having an address at Cliona, Building One Parkmore East Business Park, Ballybrit, Galway, Ireland ("Assignee"), and its successors, assigns and legal representatives, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, "Patent Rights"):

- (a) The U.S. Patent Application ("Application") entitled:

COMPACT DISTORTED ZOOM LENS FOR SMALL ANGLE OF VIEW

which was filed on February 14, 2011 as

United States Application Number 13/026,937 and

which has been executed by the undersigned prior hereto or concurrently herewith;

- (b) any and all patents and patent applications (i) to which the Application directly or indirectly claims priority, (ii) for which the Application directly or indirectly forms a basis for priority, and/or (iii) that were co-owned applications that incorporate by reference, or are incorporated by reference into, the Application;
- (c) any and all reissue applications, reexaminations, extensions, continuation applications, continuation-in-part applications, continuing prosecution applications, requests for continued examination, divisional applications, substitute applications, renewal applications, registrations, and any and all other patent applications that have been or shall be filed in the U.S. relating to any item in any of the foregoing categories (a) and (b);
- (d) any and all patents (including, without limitation, reissues, continuations, continuations in part and divisions) issuing from or relating to any of the foregoing categories (a) through (c);
- (e) any and all foreign patents, foreign patent applications, and foreign counterparts relating to any item in any of the foregoing categories (a) through (d), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;
- (f) any and all items in any of the foregoing in categories (a) through (e) whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;
- (g) any and all inventions, invention disclosures, improvements, and discoveries described in any item in any of the foregoing categories (a) through (e) and all other rights arising out of such inventions, invention disclosures, improvements, and discoveries;
- (h) any and all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (e) and (g), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;
- (i) any and all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any item in any of the foregoing categories (a) through (e), (g), and (h), including, without limitation, all causes of action and other enforcement rights for (i) damages, (ii) injunctive relief, and (iii) any other remedies of any kind for past, current, and future infringement; and
- (j) any and all rights to collect royalties and other payments under or on account of any item in any of the foregoing categories (a) through (e) and (g) through (i).

- (2) I [we] agree to, at the reasonable request of Assignee and without demanding any further consideration therefore, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. Such assistance will include providing prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, powers of attorney, specifications, declarations or other papers, and other assistance reasonably necessary for filing patent applications, complying with any duty of disclosure, and conducting prosecution, reexamination, reissue, interference or other priority proceedings, opposition proceedings, cancellation proceedings, public use proceedings, infringement or other court actions and the like with respect to the Patent Rights. With prior written approval by Assignee, Assignee will pay Assignor's reasonable costs and expenses.
- (3) I [we] agree that said Assignee may apply for and receive patent or patents for said Patent Rights in its own name, and hereby authorize the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.
- (4) I [we] covenant that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others or will be made to others, and that full right to convey the Patent Rights as herein expressed is possessed.
- (5) I [we] hereby authorize and request the attorneys of Turocy & Watson, LLP of Cleveland, OH and Bellevue, WA to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.
- (6) I [we] agree that the terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon the undersigned.

Inventor[s]:

Inventor's Name: Pavel Reshidko

Inventor's Signature: \_\_\_\_\_ Date \_\_\_\_\_

Inventor's Name: Gai Shabtay

Inventor's Signature: GAI SHABTAY Date 5/24/11

Inventor's Name: Ephraim Goldenberg

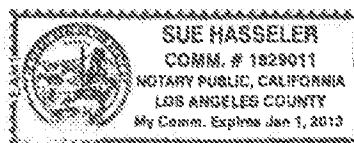
Inventor's Signature:  Date 5.24.11

State of California )  
County of Los Angeles )

## CALIFORNIA JURAT

Subscribed and sworn to (or affirmed) before me on this 24 day  
of May, 2011, by Ephraim Goldenberg and  
GAL Shabtay

proved to me on the basis of satisfactory evidence to be the person(s)  
who appeared before me.



Signature \_\_\_\_\_

Seal

### OPTIONAL INFORMATION

*Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this jurat to an unauthorized document and may prove useful to persons relying on the attached document.*

#### Description of Attached Document

This certificate is attached to a document titled/for the purpose of

Assignment of Patent Rights

containing 4 pages, and dated \_\_\_\_\_

#### Additional Information

##### Method of Affiant Identification

Proved to me on the basis of satisfactory evidence:

☐ form(s) of identification ☐ credible witness(es)

Notarial event is detailed in notary journal on:

Page # \_\_\_\_\_ Entry # \_\_\_\_\_

Notary contact: \_\_\_\_\_

##### Other

☐ Affiant(s) Thumbprint(s) ☐ Describe: \_\_\_\_\_

Sue Hasseler, NP, CNEA  
Comm. # 1829011  
Comm. Exp. 01/01/12