

TO: PHILIPS IP&S COMPANY: THREE BURLINGTON WOODS DRIVE, 4TH FLOOR

**PATENT ASSIGNMENT**

Electronic Version v1.1  
Stylesheet Version v1.1

**09/15/2008**  
**500647800**

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Ion TOMA	02/10/2008
Paul JUNGWIRTH	02/10/2008
Sharhlar Mohammad	02/10/2008
Bojana Bjeljic	02/10/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TIR Systems Ltd.
<b>Street Address:</b>	7700 Riverfront Gate
<b>City:</b>	Burnaby, British Columbia
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	V5J 5M4
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12282551
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(604)294-3733
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Email:</b>	taran.grey@philips.com
<b>Correspondent Name:</b>	Phillips IP&S
<b>Address Line 1:</b>	Three Burlington Woods Drive, 4th Floor
<b>Address Line 4:</b>	Burlington, MASSACHUSETTS 01803
<b>ATTORNEY DOCKET NUMBER:</b>	PH010511US2
<b>NAME OF SUBMITTER:</b>	Mark Beloborodov
<b>Total Attachments: 5</b> source=TIR034.assignment#page1.tif source=TIR034.assignment#page2.tif	

CH 12282551 \$40.00

TO:PHILIPS IP&S COMPANY:THREE BURLINGTON WOODS DRIVE, 4TH FLOOR

source=TIR034.assignment#page3.tif  
source=TIR034.assignment#page4.tif  
source=TIR034.assignment#page5.tif

**ASSIGNMENT****Dated for Reference the 10th day of February, 2006**

We,

**ION TOMA** of 7733 Tumill Street in the city of Richmond in the province of British Columbia, Canada;**PAUL JUNGWIRTH** of #309 - 8737 Station Hill Court in the city of Burnaby in the province of British Columbia, Canada;**SHARHIAR MOHAMMADI** of #48, 2351 Parkway Blvd. in the city of Coquitlam in the province of British Columbia, Canada; and**BOJANA BJELJAC** of #104 - 6088 Wilson Avenue in the city of Burnaby in the province of British Columbia, Canada;

IN CONSIDERATION OF \$4.00 (FOUR DOLLARS) in lawful currency of Canada and other good and valuable consideration, the receipt and sufficiency of which is acknowledged, do hereby sell and assign to:

**TIR SYSTEMS LTD.** a limited company incorporated pursuant to the laws of British Columbia, Canada with an address at 7700 Riverfront Gate, in the city of Burnaby, in the province of British Columbia, Canada (hereinafter the "Assignee")

all my right, title and interest in Canada, the United States of America and throughout the world, in and to my invention:

**HIGH EFFICIENCY LED LUMINAIRE SYSTEM** as described and claimed in my laboratory notebook notes, invention disclosure, and any other notes, drawings or medium whether in written, electronic or any other format,

and to all improvements, modifications and additions to said invention, and to all my corresponding foreign patent applications and patents relating to said invention and improvements, modifications and additions thereto, and to any divisions, continuations, continuation-in-part applications, reissues and renewals of the aforementioned patents.

For said consideration, I agree, upon the request and expense of the Assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part applications, reissue and substitute applications for said invention, and improvements, modifications and additions to said invention, and acknowledge and agree that all rights therein shall vest in the Assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said Assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if

In addition, I will, at the request and expense of the Assignee, execute any and all documents required by the Assignee to fully vest the aforementioned rights in the Assignee.

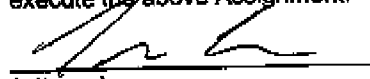
The undersigned hereby grants to the Assignee and its agents and assigns the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with the Patent Rules for recordation of this document.

SIGNED at the city of Burnaby, in the province of British Columbia, Canada this 10 day of February, 2006.



Ion Toma

I, Taran Grey declare that I was personally present and did see Ion Toma duly sign and execute the above Assignment.



(witness)

Law Office Manager

occupation

4150 Triumph Street, Burnaby, BC

address

SIGNED at the city of Burnaby, in the province of British Columbia, Canada this 10 day of February, 2006.



Paul Jungwirth

I, Taran Grey declare that I was personally present and did see Paul Jungwirth duly sign and execute the above Assignment.



(witness)

Law Office Manager

occupation

4150 Triumph Street, Burnaby, BC

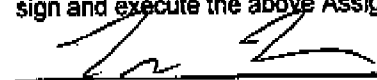
address

SIGNED at the city of Burnaby, in the province of British Columbia, Canada this 10 day of February, 2006.



Sharhiar Mohammadi

I, Taran Grey declare that I was personally present and did see Sharhiar Mohammadi duly sign and execute the above Assignment.



(witness)

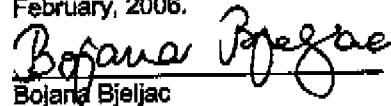
Law Office Manager

occupation

4150 Triumph Street, Burnaby, BC

address

SIGNED at the city of Burnaby, in the province of British Columbia, Canada this 10 day of February, 2006.



Bojana Bjeljac

I, Taran Grey declare that I was personally present and did see Bojana Bjeljac duly sign and execute the above Assignment.



(witness)

Law Office Manager

occupation

4150 Triumph Street, Burnaby, BC

address


**ACKNOWLEDGEMENT OF ASSIGNMENT**

I, **ALLAN BRENT YORK** the Chief Technology Officer of

**TIR SYSTEMS LTD.**, a limited company incorporated pursuant to the laws of British Columbia, Canada with an address at 7700 Riverfront Gate, in the city of Burnaby, in the province of British Columbia, Canada (the "Assignee")

Acknowledge the attached Assignment from Ion Toma, Paul Jungwirth, Sharhiar Mohammadi, and Bojana Bjeljac to **TIR SYSTEMS LTD.** and dated the 10 day of February, 2008, regarding all rights, title and interest in Canada, the United States of America and throughout the world to the invention entitled **HIGH EFFICIENCY LED LUMINAIRE SYSTEM**

SIGNED at the city of Burnaby, in the province of British Columbia, Canada this 13 day of February, 2008.

  
per **TIR SYSTEMS LTD.**

CANADA  
PROVINCE OF BRITISH COLUMBIA  
TO WIT:

) TO ALL TO WHOM  
) THESE PRESENTS MAY COME  
) BE SEEN OR KNOWN


I, **TARAN GREY** with an address at 4150 Triumph Street in the city of Burnaby, in the province of British Columbia, Canada, make oath and say as follows:

1. I was personally present and did see Ion Toma who is personally known to me to be the person in the attached Assignment dated the 10 day of February, 2006 duly sign and execute the same.
2. I was personally present and did see Paul Jungwirth who is personally known to me to be the person in the attached Assignment dated the 10 day of February, 2006 duly sign and execute the same.
3. I was personally present and did see Sharhlar Mohammadi who is personally known to me to be the person in the attached Assignment dated the 10 day of February, 2006 duly sign and execute the same.
4. I was personally present and did see Bojana Bjeljac who is personally known to me to be the person in the attached Assignment dated the 10 day of February, 2006 duly sign and execute the same.
5. I was personally present and did see Ion Toma, Paul Jungwirth, Sharhlar Mohammadi, and Bojana Bjeljac receive \$4.00 (FOUR DOLLARS) in lawful currency of Canada from TIR SYSTEMS LTD.

SWORN/AFFIRMED before me at  
the city of Burnaby in the  
province of British Columbia, Canada  
this 10 day of February, 2006

  
Wallace J. Scott

A Notary Public in and for the  
Province of British Columbia  
Wallace J. Scott  
Barrister and Solicitor

  
Taran Grey

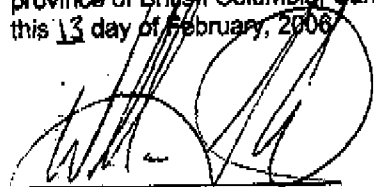
CANADA  
PROVINCE OF BRITISH COLUMBIA  
TO WIT:

) TO ALL TO WHOM  
) THESE PRESENTS MAY COME  
) BE SEEN OR KNOWN

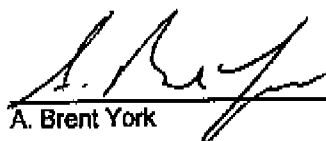
I, **ALLAN BRENT YORK** the Chief Technology Officer of **TIR SYSTEMS LTD.** a limited company incorporated pursuant to the laws of British Columbia, Canada with an address at 7700 Riverfront Gate, in the city of Burnaby, in the province of British Columbia, Canada, make oath and say as follows:

1. That the company named as assignor (hereinafter "the Company") in the attached Acknowledgement of Assignment is incorporated pursuant to the laws of British Columbia, Canada.
2. That under the laws of British Columbia, Canada, a company is not required to have or to execute documents under a corporate seal.
3. That under the constitution and by-laws of the Company documents to be executed on its behalf are valid and bind the Company if signed by me.
4. That I have signed the attached Acknowledgement of Assignment on behalf of the Company in my capacity as Chief Technology Officer of the Company.

SWORN/AFFIRMED before me at  
the city of Burnaby in the  
province of British Columbia, Canada  
this 13 day of February, 2008



Wallace J. Scott

  
A. Brent York

A Notary Public in and for the  
Province of British Columbia  
**Wallace J. Scott**  
Barrister and Solicitor