

## 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>Paul Jungwirth</td><td>01/17/2007</td></tr><tr><td>Ian Ashdown</td><td>01/17/2007</td></tr></tbody></table>	Name	Execution Date	Paul Jungwirth	01/17/2007	Ian Ashdown	01/17/2007					
Name	Execution Date										
Paul Jungwirth	01/17/2007										
Ian Ashdown	01/17/2007										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>TIR Systems Ltd.</td></tr><tr><td>Street Address:</td><td>7700 Riverfront Gate</td></tr><tr><td>City:</td><td>Burnaby</td></tr><tr><td>State/Country:</td><td>CANADA</td></tr><tr><td>Postal Code:</td><td>V5J 5M4</td></tr></table>	Name:	TIR Systems Ltd.	Street Address:	7700 Riverfront Gate	City:	Burnaby	State/Country:	CANADA	Postal Code:	V5J 5M4	
Name:	TIR Systems Ltd.										
Street Address:	7700 Riverfront Gate										
City:	Burnaby										
State/Country:	CANADA										
Postal Code:	V5J 5M4										
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>11858847</td></tr></tbody></table>	Property Type	Number	Application Number:	11858847							
Property Type	Number										
Application Number:	11858847										
CORRESPONDENCE DATA											
Fax Number: (604)669-4351 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 604-669-4350											
Email: kmanderscheid@mbm.com											
Correspondent Name: Kerrie Manderscheid											
Address Line 1: 200 Granville Street											
Address Line 2: Suite 2200											
Address Line 4: Vancouver, CANADA V6C 1S4											
ATTORNEY DOCKET NUMBER:	1037-185US										
NAME OF SUBMITTER:	Kerrie Manderscheid										
Total Attachments: 5 source=185pr#page1.tif											

OP \$40.00 11858847

500513351

PATENT  
REEL: 020799 FRAME: 0911

source=185pr#page2.tif  
source=185pr#page3.tif  
source=185pr#page4.tif  
source=185pr#page5.tif

U.S. Patent Application No. 60/845,948  
Serial number inserted by MBM on  
April 11, 2008 KLM.

**ASSIGNMENT**

**Dated for Reference the 17th day of January, 2007**

We,

**PAUL JUNGWIRTH** of #309 – 6767 Station Hill Court in the city of Burnaby in the province of British Columbia, Canada; and,

**IAN ASHDOWN** of 620 Ballantree Road in the city of West Vancouver in the province of British Columbia, Canada;

IN CONSIDERATION OF \$2.00 (TWO 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")

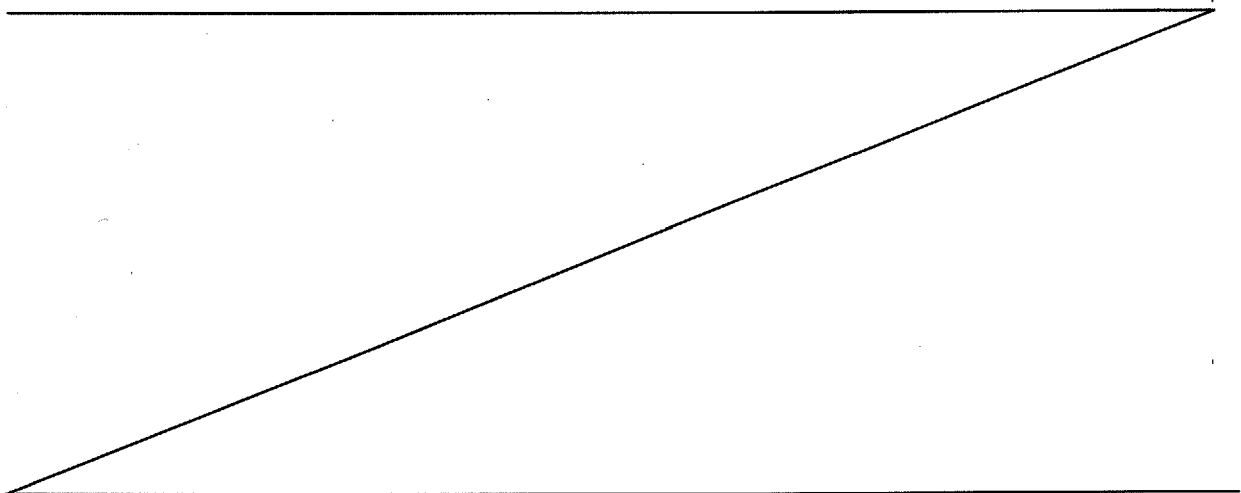
all my right, title and interest in Canada, the United States of America and throughout the world, in and to my invention:

**SHUNT DRIVE / HBLED INTENSITY COMPENSATION** 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 this Assignment had not been made.

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 17 day of Jan, 2007.

  
Paul Jungwirth

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

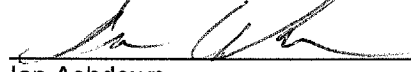
  
(witness)

IP Administrator

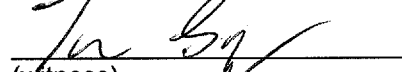
occupation

1107 - 4118 Dawson Street, Burnaby, BC  
address

SIGNED at the city of Burnaby, in the province of British Columbia, Canada this 17 day of January, 2007.

  
Ian Ashdown

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

  
(witness)

IP Administrator

occupation

1107 - 4118 Dawson Street, Burnaby, BC  
address

---

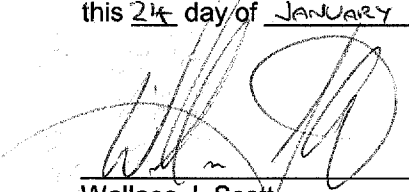

CANADA	)	TO ALL TO WHOM
PROVINCE OF BRITISH COLUMBIA	)	THESE PRESENTS MAY COME
TO WIT:	)	BE SEEN OR KNOWN

---

I, **TARAN GREY** with an address at 1107 - 4118 Dawson 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 Paul Jungwirth who is personally known to me to be the person in the attached Assignment dated for reference the 17th day of January, 2007 duly sign and execute the same.
2. I was personally present and did see Ian Ashdown who is personally known to me to be the person in the attached Assignment dated for reference the 17th day of January, 2007 duly sign and execute the same.
3. I was personally present and did see Paul Jungwirth and Ian Ashdown receive \$2.00 (TWO 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 24 day of JANUARY, 2007

  
\_\_\_\_\_  
Wallace J. Scott  
\_\_\_\_\_  
Taran Grey

A Notary Public in and for the  
Province of British Columbia

Wallace J. Scott  
Barrister and Solicitor

# 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 Paul Jungwirth and Ian Ashdown to **TIR SYSTEMS LTD.** and dated for reference the 17th day of January, 2007, regarding all rights, title and interest in Canada, the United States of America and throughout the world to the invention entitled **SHUNT DRIVE / HBLED INTENSITY COMPENSATION**

SIGNED at the city of Burnaby, in the province of British Columbia, Canada this 25 day of January, 2007.

  
per **TIR SYSTEMS LTD.**

---

CANADA	)	TO ALL TO WHOM
PROVINCE OF BRITISH COLUMBIA	)	THESE PRESENTS MAY COME
TO WIT:	)	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 25 day of JANUARY, 2007



Wallace J. Scott

A Notary Public in and for the  
Province of British Columbia

**Wallace J. Scott**  
Barrister and Solicitor



A. Brent York