

PATENT ASSIGNMENT

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Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Boris Y. Tsirlin	11/11/2009
Robert S. Gawelczyk	11/11/2009
Steven R. Kovanko	11/11/2009
Anthony Brown	11/11/2009
Mao Tian	11/11/2009
Karl Torchalski	11/11/2009
Michael Fein	11/11/2009

RECEIVING PARTY DATA

Name:	ZIH Corp.
Street Address:	Pearman Building
Internal Address:	3 Gorham Road, 3rd Floor
City:	Hamilton
State/Country:	BERMUDA
Postal Code:	HM 08

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12618107

CORRESPONDENCE DATA

Fax Number: (704)444-1111  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
Phone: 704-444-1000  
Email: jan.moore@alston.com  
Correspondent Name: ALSTON & BIRD LLP/Nathaniel T. Quirk  
Address Line 1: BANK OF AMERICA PLAZA  
Address Line 2: 101 SOUTH TRYON STREET, SUITE 4000  
Address Line 4: CHARLOTTE, NORTH CAROLINA 28280-4000

501014955

PATENT  
REEL: 023515 FRAME: 0698

CH \$40.00 12618107

ATTORNEY DOCKET NUMBER:	054054/373974
NAME OF SUBMITTER:	Nathaniel T. Quirk
<p>Total Attachments: 8</p> <p>source=373974 Assignment#page1.tif</p> <p>source=373974 Assignment#page2.tif</p> <p>source=373974 Assignment#page3.tif</p> <p>source=373974 Assignment#page4.tif</p> <p>source=373974 Assignment#page5.tif</p> <p>source=373974 Assignment#page6.tif</p> <p>source=373974 Assignment#page7.tif</p> <p>source=373974 Assignment#page8.tif</p>	

## ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

ZIH CORP.  
Pearman Building  
3 Gorham Road, 3rd Floor  
Hamilton, BERMUDA HM 08

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in **"ENCODING MODULE, ASSOCIATED ENCODING ELEMENT, CONNECTOR, PRINTER-ENCODER AND ACCESS CONTROL SYSTEM"**

as set forth in this United States Patent Application

- ☐ executed concurrently herewith
- ☐ executed on
- ☒ Application No. 12/618,107; filed November 13, 2009
- ☐ Application claims priority from Application No. , filed , all applications listed above being hereinafter referred to as the "application(s)";

(We hereby authorize and request the Assignee and its attorney (Alston & Bird LLP) to insert above the application number and filing date of said application when known.)

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs,

models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

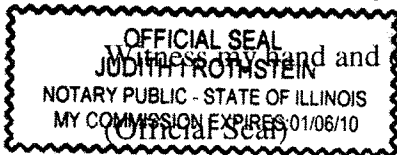
The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

November 11, 2009  
Date

Boris Y. Tsirlin  
Boris Y. Tsirlin

State of ILLINOIS )  
County of LAKE )

I, JUDITH I. ROTHSTEIN, a Notary Public for said County and State, do hereby certify that Boris Y. Tsirlin personally appeared before me this day and acknowledged the due execution of the foregoing instrument.



Witness my hand and official seal, this the 11th day of NOVEMBER, 2009.

My commission expires 01/06/10

Judith I. Rothstein  
Notary Public

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

11/11/09  
Date

Robert S. Gawelczyk  
Robert S. Gawelczyk

State of ILLINOIS )

County of LAKE )

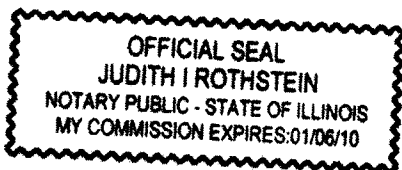
I, JUDITH I ROTHSTEIN, a Notary Public for said County and State, do hereby certify that Robert Gawelczyk personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11 day of NOVEMBER, 2009.

(Official Seal)

My commission expires 01/06/10

Judith I. Rothstein  
Notary Public



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11/11/09  
Date

STE R. Kovanko  
Steven R. Kovanko

State of ILLINOIS )  
County of LAKE )

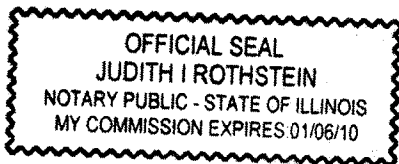
I, JUDITH F ROTHSTEIN, a Notary Public for said County and State, do hereby certify that Steven Kovanko personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11th day of NOVEMBER, 2009.

(Official Seal)

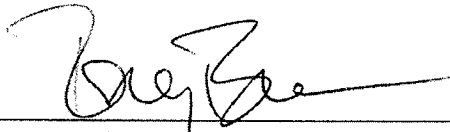
My commission expires 01/06/10

Judith F. Rothstein  
Notary Public



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11/11/2009  
Date

  
Anthony Brown

State of ILLINOIS )

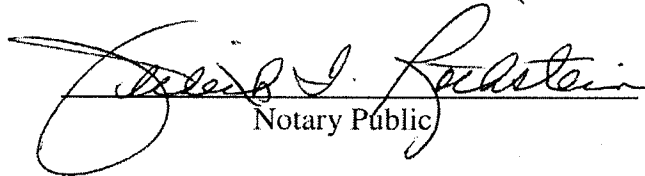
County of LAKE )

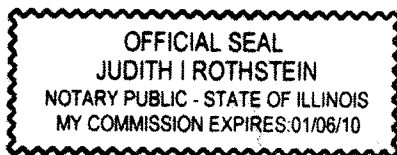
I, JUDITH I ROTHSTEIN, a Notary Public for said County and State, do hereby certify that Anthony Brown personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11 day of NOVEMBER, 2009.

(Official Seal)

My commission expires 01/06/10

  
Notary Public



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11/11/2009  
Date

Mao Tian  
Mao Tian

State of ILLINOIS

County of LAKE

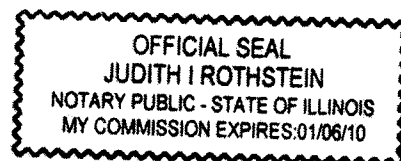
I, JUDITH I ROTHSTEIN, a Notary Public for said County and State, do hereby certify that Mao Tian personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11 day of NOVEMBER, 2009.

(Official Seal)

My commission expires 01/06/10

Judith I. Rothstein  
Notary Public





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Date 11-11-09

Karl Torchalski  
Karl Torchalski

State of ILLINOIS

County of LAKE

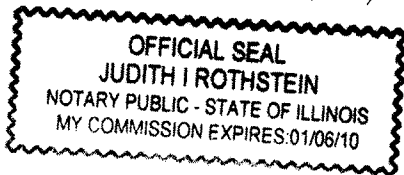
I, JUDITH I ROTHSTEIN Notary Public for said County and State, do hereby certify that Karl Torchalski personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11 day of NOVEMBER, 2009.

(Official Seal)

Judith I. Rothstein  
Notary Public

My commission expires 01/06/10



The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

11/11/09  
Date

[Signature]  
Michael Fein

State of ILLINOIS )

County of LAKE )

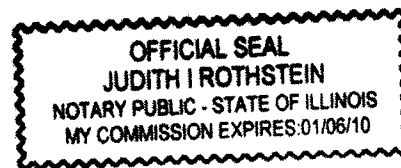
I, JUDITH I ROTHSTEIN, a Notary Public for said County and State, do hereby certify that Michael Fein personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 11 day of NOVEMBER, 2009.

(Official Seal)

My commission expires 01/06/10

[Signature]  
Notary Public



Attorney Docket No. 054054/373974