

09-20-2002



FINANCE SECTION

RECORDATION FORM COVER SHEET
PATENTS ONLY

102209298

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New
 Resubmission (Non-Recordation)
 Document ID# []

Correction of PTO Error
 Reel # [] Frame # []

Corrective Document
 Reel# [] Frame # []

7.19.02

Conveyance Type

Assignment
 License
 Merger

Security Agreement
 Change of Name

Other
 U.S. Government
 (For Use ONLY by U.S. Government Agencies)

Departmental File Secret File

Notice of Grant of Security Interest

Conveying Party(ies)

Mark if additional names of conveying parties attached

Name (line 1) Wabash Technologies, Inc.

Execution Date
Month Day Year

05/29/02

Name (line 2) []

Second Party

Name (line 1) []

Execution Date
Month Day Year

[]

Name (line 2) []

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Bank of America, N.A., as Senior Creditor Agent

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Name (line 2) []

Address (line 1) 101 North Tryon Street

Address (line 2) 15th Floor

Address (line 3) Charlotte

North Carolina

28255

City

State/Country

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name N/A

Address (line 1) []

Address (line 2) []

Address (line 3) []

Address (line 4) []

920E

FOR OFFICE USE ONLY

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

07/23/2002 09:58:11 00000156 09353852

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PATENT
REEL: 013101 FRAME: 0955

**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

Conveying Party(ies) Mark if additional names of conveying parties attached
Enter Additional Conveying Party

	Execution Date Month Day Year
Name (line 1) <input type="text"/>	<input type="text"/>
Name (line 2) <input type="text"/>	Execution Date Month Day Year
Name (line 1) <input type="text"/>	<input type="text"/>
Name (line 2) <input type="text"/>	Execution Date Month Day Year
Name (line 1) <input type="text"/>	<input type="text"/>
Name (line 2) <input type="text"/>	

Receiving Party(ies) Mark if additional names of receiving parties attached
Enter Additional Receiving Party

Name (line 1) <input type="text"/>		
Name (line 2) <input type="text"/>		
Address (line 1) <input type="text"/>		
Address (line 2) <input type="text"/>		
Address (line 3) <input type="text"/>	<input type="text"/>	<input type="text"/>
	City	State/Country
		Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Name (line 1) <input type="text"/>		
Name (line 2) <input type="text"/>		
Address (line 1) <input type="text"/>		
Address (line 2) <input type="text"/>		
Address (line 3) <input type="text"/>	<input type="text"/>	<input type="text"/>
	City	State/Country
		Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative should be attached. (Designation must be a separate document from Assignment.)

Application Number(s) or Patent Number(s) Mark if additional numbers attached
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)			Patent Number(s)		
<input type="text" value="09/650557"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="5264792"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="5115194"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="6310473"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="6211670"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Correspondent Name and Address

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s) Mark if additional numbers attached
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties Enter the total number of properties involved. #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized as indicated herein.

Steven D. Thomas
Name of Person Signing

Steven D. Thomas
Signature

July 18, 2002
Date Signed

NOTICE
OF
GRANT OF SECURITY INTEREST
IN
PATENTS

United States Patent and Trademark Office

Gentlemen:

Please be advised that pursuant to the Security Agreement dated as of May 29, 2002 (the "Security Agreement") by and among the Obligors party thereto (each an "Obligor" and collectively, the "Obligors") and Bank of America, N.A., as Senior Creditor Agent (the "Senior Creditor Agent") for the Secured Parties referenced therein (the "Secured Parties"), the undersigned Obligor has granted a continuing security interest in and continuing lien upon, the patents and patent applications shown below to the Senior Creditor Agent for the benefit of the Secured Parties:

PATENTS

<u>Patent No.</u>	Description of Patent <u>Item</u>	Date of <u>Patent</u>
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SEE ATTACHED

PATENT APPLICATIONS

<u>Patent Applications No.</u>	Description of Patent <u>Applied For</u>	Date of Patent <u>Applications</u>
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The Obligors and the Senior Creditor Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the foregoing patents and patent applications (i) may only be terminated in accordance with the terms of the Security Agreement and (ii) is not to be construed as an assignment of any patent or patent application.

Very truly yours,

WABASH TECHNOLOGIES, INC.

By: _____
Name: Marc Feldman
Title: Vice President

Acknowledged and Accepted:


BANK OF AMERICA, N.A. as Senior Creditor Agent

By: _____
Name: STEVE A. ARONOWITZ
Title: MANAGING DIRECTOR

The Obligors and the Senior Creditor Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the foregoing patents and patent applications (i) may only be terminated in accordance with the terms of the Security Agreement and (ii) is not to be construed as an assignment of any patent or patent application.

Very truly yours,

WABASH TECHNOLOGIES, INC.

By: 
Name: Marc Feldman
Title: Vice President

Acknowledged and Accepted:

BANK OF AMERICA, N.A., as Senior Creditor Agent

By: _____
Name: _____
Title: _____

Wabash Technologies, Inc.**U.S. Patents****Issued Patents**

Description	Patent No.	Issued
THICK-FILM CIRCUIT ELEMENT	5702653	12/30/97
THERMALLY FUSED RESISTOR HAVING A PORTION OF SOLDER LOOP THERMALLY CONNECTED TO AN ELECTRICALLY INSULATED PORTION OF AN OUTER SURFACE OF THE RESISTOR	5652562	7/29/97
THICK-FILM CIRCUIT ELEMENT ON A CERAMIC SUBSTRATE	5169465	12/8/92
THICK FILM INK COMPOSITION	5053283	10/1/91
MAGNETIC ROTATIONAL POSITION SENSOR	6137288	10/24/00
WHEEL BEARING SPEED SENSOR	5491407	2/13/96
IGNITION COIL WITH SPIRAL-BACK PYRAMID WINDINGS	5448217	9/5/95
MAGNETIC ROTATIONAL POSITION SENSOR WITH IMPROVED OUTPUT LINEARITY	5444369	8/22/95
HALL EFFECT POSITION SENSOR WITH FLUX LIMITER AND MAGNETIC DISPERSION	5321355	6/14/94
HALL EFFECT POSITION SENSOR WITH FLUX LIMITER AND MAGNETIC DISPERSION	5264792	11/23/93
HALL EFFECT POSITION SENSOR WITH FLUX LIMITER AND MAGNETIC DISPERSION	5115194	5/19/92
MAGNETIC ROTATIONAL POSITION SENSOR	6310473	10/30/01
MAGNETIC SENSING DEVICE FOR OUTPUTTING A DIGITAL SIGNAL AS A DYNAMIC REPRESENTATION OF AN ANALOG SIGNAL	6211670	4/3/01

Pending Applications

Description	Appl. No.	Filed
SYSTEM FOR OUTPUTTING A PLURALITY OF SIGNALS AS A COLLECTIVE REPRESENTATION	09/353852	
MAGNETIC ROTATIONAL POSITION SENSOR	09/413647	
MAGNETIC ROTATIONAL POSITION SENSOR	09/645190	
MAGNETIC ROTATIONAL POSITION SENSOR	09/679211	
MAGNETIC ROTATIONAL POSITION SENSOR	09/685839	
MAGNETIC NON-CONTACTING FLUID LEVEL SENSOR	09/721227	
MAGNETIC INCREMENTAL MOTION DETECTION SYSTEM	60/308926	
MR-BASED LINEAR SENSOR	60/315801	
MAGNETIC NON-CONTACTING ROTARY TRANSDUCER	09/721228	
COMBINED HUB TEMPERATURE & WHEEL SPEED SENSOR SYSTEM	09/650557	