

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)

**RECORDATION FORM COVERSHEET  
PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

Tab settings    ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <u>Delphax Technologies Inc.</u></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies)</p> <p>Name: <u>Harris Trust and Savings Bank</u></p> <p>Internal Address: _____</p> <p>_____</p> <p>_____</p> <p>Street Address: <u>111 West Monroe Street</u></p> <p>_____</p> <p>City: <u>Chicago</u> State: <u>IL</u> Zip: <u>60603</u></p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input checked="" type="checkbox"/> Other <u>Patent Collateral Agreement</u></p> <p>Execution Date: <u>10/15/02</u></p>	

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

<p>A. Patent Application No.(s)</p>	<p>B. Patent No.(s)</p> <p><u>5237898 4560293 5790408 4862225 5644494 5748483</u></p> <p><u>5867393 5917727 5896690 5886723 5450103 5278588</u></p>
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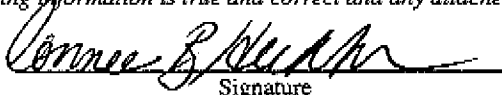
Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning documents should be mailed:</p> <p>Name: <u>Connie R. Heikkila</u></p> <p>Internal Address: <u>cheikkila@lindquist.com</u></p> <p>_____</p> <p>_____</p> <p>Street Address: <u>4200 IDS Center, 80 South Eighth Street</u></p> <p>_____</p> <p>City: <u>Minneapolis</u> State: <u>MN</u> Zip: <u>55402-2205</u></p>	<p>6. Total number of applications and patents involved: <span style="border: 1px solid black; padding: 2px;">31</span></p> <p>7. Total fee (37 CFR 3.41).....\$ <u>1240</u></p> <p><input type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number:</p> <p><u>500837</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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**DO NOT USE THIS SPACE**

9. 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.*

<u>Connie R. Heikkila, Paralegal</u>		<u>10/15/02</u>
Name of Person Signing	Signature	Date

Total number of pages including coversheet, attachments, and documents: 11

Mail documents to be recorded with required coversheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

Master Doc# 1413139/1

RECORDATION FORM COVER SHEET  
PATENT ONLY

CONVEYING PARTY: DELPHAX TECHNOLOGIES INC.  
RECEIVING PARTY: HARRIS TRUST AND SAVINGS BANK

CONTINUATION OF ITEM 4:

5239318	4990942	4999653
5166709	4958172	4745421
5159358	4951070	4679060
5014076	4891656	D311752
5006869	4819013	4516847
5003327	5177503	
4992807	5030975	

**PATENT COLLATERAL AGREEMENT**

This 15<sup>th</sup> day of October, 2002, Delphax Technologies Inc., a Minnesota corporation ("*Debtor*") with its principal place of business and mailing address at 12500 Whitewater Drive, Minnetonka, Minnesota 55343-9420, in consideration of ten dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, assigns, mortgages and pledges to Harris Trust and Savings Bank, an Illinois banking corporation ("*HTSB*") with its mailing address at 111 West Monroe Street, Chicago, Illinois 60603, acting as administrative agent hereunder for the Secured Creditors defined in that certain Security Agreement hereinafter defined (HTSB acting as such administrative agent and any successor or successors to HTSB acting in such capacity being hereinafter referred to as "*Agent*"), and grants to Agent a continuing security interest in, the following property:

(i) Each patent and patent application listed on Schedule A-1 hereto and all of the inventions described and claimed therein and any and all reissues, continuations, continuations-in-part or extensions thereof; and

(ii) Each patent license listed on Schedule A-2 hereto and all royalties and other sums due or to become due under or in respect of each such patent license, together with the right to sue for and collect all such royalties and other sums; and


(iii) All proceeds of the foregoing, including without limitation any claim by Debtor against third parties for damages by reason of past, present or future infringement of any patent listed on Schedule A-1 hereto or of any patent licensed under a patent license listed on Schedule A-2 hereto, in each case together with the right to sue for and collect said damages;

to secure performance of all Obligations of the Debtor as set out in that certain Security Agreement bearing the date of December 20, 2001, between the Debtor and Agent (the "*Security Agreement*").

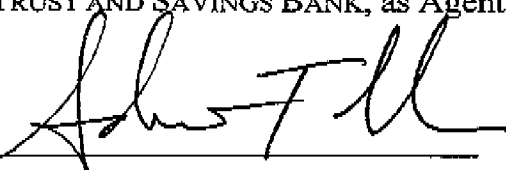
Debtor does hereby further acknowledge and affirm that the rights and remedies of Agent with respect to the assignment, mortgage, pledge and security interest in the patents, patent applications and patent licenses made and granted hereby are more fully set forth in the Security Agreement.

IN WITNESS WHEREOF, Debtor has caused this Patent Collateral Agreement to be duly executed as of the date and year last above written.

DELPHAX TECHNOLOGIES INC.

By   
Name Robert M. Barnickis  
Title CEO

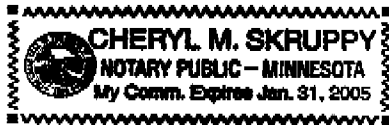
HARRIS TRUST AND SAVINGS BANK, as Agent

By   
Name ANDREW T. CLaar  
Title VICE PRESIDENT

STATE OF MINNESOTA )  
 ) SS  
COUNTY OF HENNEPIN )

I Cheryl M. Skruppy a Notary public in and for said County, in the State aforesaid, do hereby certify that Robert M. Barnickis, CEO of Delphax Technologies Inc., a Minnesota corporation, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument as such Robert M. Barnickis, CEO, appeared before me this day in person and acknowledged that he/she signed and delivered the said instrument as his/her own free and voluntary act and as the free and voluntary act and deed of said corporation for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 14<sup>th</sup> day of October 20 02



Cheryl M. Skruppy  
Notary Public

Cheryl M. Skruppy  
(Type or Print Name)

STATE OF ILLINOIS )  
 ) SS  
COUNTY OF COOK )

I WENDY A. JURINEK a Notary public in and for said County, in the State aforesaid, do hereby certify that Andrew T. Claar, Vice President of Harris Trust and Savings Bank, an Illinois banking corporation, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument as such Vice President, appeared before me this day in person and acknowledged that he/she signed and delivered the said instrument as his/her own free and voluntary act and as the free and voluntary act and deed of said corporation for the uses and purposes therein set forth.

Given under my hand and notarial seal, this 8<sup>th</sup> day of October 2002



Wendy Jurinek  
Notary Public

WENDY A. JURINEK  
(Type or Print Name)

**SCHEDULE A-1  
TO PATENT COLLATERAL AGREEMENT**

**U.S. PATENT NUMBERS  
AND PENDING U.S. PATENT APPLICATION NUMBERS**

PATENT (TITLE)	NUMBER	DATE ISSUED
Autotaper	5237898	08/25/1993
Document Printing Method and Apparatus	4560293	12/24/1985
Error Recovery in a Printing System	5790408	08/04/1998
Power Supply Sequencing Circuit for Flash Fuser	4862225	08/29/1989
Printing System	5644494	07/01/1997
Printing System	5748483	05/05/1998
Printing System	5867393	02/02/1999
Sheet Registration System	5917727	06/29/1999
Sheet Stacking Apparatus	5696690	12/09/1997
Charge Deposition Print Head And Method of Printing	5886723	03/23/1999
Charge Imaging System With Back Electrode Dot Enhancement	5450103	09/12/1995
Electrographic Printing Device	5278588	01/11/1994
Finger Driver and Printer	5239318	08/24/1993
Electron DC Printer	5166709	11/24/1992
Divided Screen Printer	5159358	10/27/1992
Printer With High Frequency Charge Carrier Generation	5014076	05/07/1991
Charged Particle Printer	5006869	04/09/1991
Printer Autocontrast Control	5003327	03/26/1991
Gray Scale Printhead System	4992807	02/12/1991
Printer RF Line Control	4990942	02/05/1991
Charge Transfer Imaging Cartridge	4958172	09/18/1990

Charge Transfer Imaging Cartridge Mounting and Printing	4951070	08/21/1990
Print Cartridge With Non- Divergent Electrostatic Field	4891656	02/01/1990
Ion Generation Compensation	4819013	04/04/1989
Print System and Dielectric Imaging Member	5177503	01/05/1993
Charge Transfer Imaging Cartridge	5030975	07/09/1991
Venetian Binding	4999653	03/12/1991
Ionic Print Cartridge And Printer	4745421	05/17/1988
Ionic Print Cartridge And Printer	4679060	07/07/1987
Printer Cabinet Or Similar Article	D311752	10/30/1990
Electrostatic Printing Apparatus And Method	4516847	05/14/1985

PENDING U.S. PATENT  
APPLICATION NUMBER

TITLE OF APPLICATION

FILING DATE

None



**SCHEDULE A-2  
TO PATENT COLLATERAL AGREEMENT**

**PATENT LICENSES**

**NONE**