Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		NE	EW ASSIGNMENT	
NATURE OF CONVEY	ANCE:	ASS	SSIGNMENT	
CONVEYING PARTY	DATA			
		Name	e Execution Date	
David Grose			06/15/1999	
Nathan P. Hine			06/15/1999	
Paul A. Hoisington			06/15/1999	
Yong Zhou			06/15/1999	
RECEIVING PARTY D	ΑΤΑ			
Name:	Spectra, Inc.			
Street Address:	88 Etna Road	d,		
City:	Hanover			
State/Country:	NEW HAMPS	SHIRE		
Postal Code:	03755			
PROPERTY NUMBER	S Total: 1			11566371
Property Ty	/pe		Number	115
Application Number:		11566371		0
CORRESPONDENCE	DATA			\$40.00
Fax Number:	(877)769	9-7945		E E E
	· ,		the fax attempt is unsuccessful.	
Phone:	(617) 52			
Email:	morin@			
Correspondent Name:		A. Lichauco		
Address Line 1: Address Line 2:	P.O.BO	RICHARDS	SON P.C.	
			ININE COTA 55440 4022	
Address Line 4:		APOLIS, MIN	INNESOTA 55440-1022	
Address Line 4: ATTORNEY DOCKET	MINNEA		9991-003004	
	MINNEA NUMBER:	099		

ASSIGNMENT

For valuable consideration, we. <u>David R. Grose</u>, of <u>Hanover. NH</u>; <u>Nathan Hine</u> of <u>S.Strafford. VT</u>; <u>Paul Hoisington</u> of <u>Norwich. VT</u>; <u>Peter N. Wallis</u> of <u>Norwich. VT</u>; <u>Yong Zhon</u> of <u>Hanover. NH</u>; and of hereby assign to <u>Spectra. Inc.</u>, a <u>Delaware</u> corporation having a place of business at <u>88 Etna Road</u>. <u>Hanover. NH</u> <u>03755</u>, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest, including, without limitation, the right to sue for past infringement, throughout the world in the inventions and improvements, which are subject of an application for United States Patent signed by us, entitled <u>SINGLE-PASS INKJET PRINTING</u>, filed <u>March 26, 1999</u>.

and assigned U.S. Serial Number <u>09/277.839</u>, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectivate fully this assignment.

IN WITNESS	WHEREOF, I hereto set my hand	and seal a	t <u>Hanover</u> ,	NH		
this <u>/15</u>	_ day of, 1995	2 ~	Did R.	ha	~	L.S.
		Davi	d R.		Grose	
STATE OF	New Hampshire :					
COUNTY OF	- GRAFTON : 55.					
	Before me this $\frac{15}{15}$ day	/ of]	une, 199	9, person	ally appeared	

David R. Grose known to me to be the person whose name is subscribed to the foregoing Assignment, and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

My Commission Expires: My Commission Expires November 6, 2002

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[Notary's Seal Here]

PATENT REEL: 018848 FRAME: 0817

this $\frac{15}{15}$ day of <u>June</u> , 19	999	× ·	
-			L
	Nathan	Hine	
STATE OF <u>New Hampshire</u> :			
COUNTY OF <u>terref</u> for : :ss.			
Before me this $\frac{15}{5}$	day of <u>June</u>	, 19 <u>99</u> , personally appe	ared
oregoing Assignment, and acknowledged th	nown to me to be the pe hat he/she executed the s	rson whose name is sul same as his/her free act	and deed for the
nurposes therein contained.			
	Notary Public	······································	
	Notary Public		
1	My Commission	Denimen	
, Notary's Seal Herel	My Commission	CAPHO8:	
Notary's Seal Here]	My Commission .	сирнов:	
N WITNESS WHEREOF, I hereto set my hand his <u>154</u> day of <u>June</u> , 199	d and seal at <u>Hano</u>		L.S
N WITNESS WHEREOF, I hereto set my hank his <u>154</u> day of <u>June</u> , 199 TATE OF <u>New Hampshire</u> :	d and seal at <u>Hano</u> 99 <u>Pur</u>	ver. NH	
N WITNESS WHEREOF, I hereto set my hank his <u>154</u> day of <u>June</u> , 199 TATE OF <u>New Hampshire</u> :	d and seal at <u>Hano</u> 99 Paul	ver. NH	1
N WITNESS WHEREOF, I hereto set my hand his <u>1549</u> day of <u>June</u> , 199 WATE OF <u>New Hampshire</u> : COUNTY OF <u>Coccetton</u> : Before me this <u>1574</u> da	d and seal at <u>Hano</u> <u>99</u> Paul Paul ay of <u>June</u> , nown to me to be the per	ver. NH Loisington Hoisington 1999, personally appe	a ared scribed to the

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PATENT REEL: 018848 FRAME: 0818

this <u>(5</u> day of	June	, 19 <u>99</u>	1	<i>a</i> .		
•			1100	$=\mathcal{N}$	Wallis	Υc
			Peter	N.	Wallis	A
TATE OF New	Hampshire					
	-	:53.				
COUNTY OF <u>/ (-1</u>	atton	;				
Before	me this $\frac{1}{5}$	day o	of <u>June</u>	, 19 <u>99</u> , pe	rsonally appeared	
Peter N W:	alite	known	to me to he the -			• -
pregoing Assignment	and acknowled	lged that he	e/she executed the	same at his	name is subscribe	d to the
urposes therein conta	ined.	-0	/	, same as me	Ander mee act and th	cea for the
			Dim	110	1. r	
			_[[/][[[[[Uf LI I	(UUUUC)	
• •			Notary Public	/		
					-	
M			My Commission	n Ermines -	·	
/. Jotary's Seal Here]		,	My Commission	n Expires: 🕤	KINGERLY ANNE NAPOINE, (iommissioner of D November 6, 20
/. Votary's Seal Here]			My Commissio	n Expires: 🗌	Winderly Anne Nandine, C My Commission Expires	ionminister of D November 6, 20
· · ·	, I hereto set m	y band and		-	KIMBERLY ANNE NAPORE, C My Commission Expires	ianninsister of D November 6, 21
WITNESS WHEREOF		-	seal at <u>Hamo</u>	ver. NH	My Commission Expires	,
I WITNESS WHEREOF		-	seal at <u>Hamo</u>	ver. NH	My Commission Expires	,
WITNESS WHEREOF, is $\frac{1}{5}$ day of	June	-	seal at <u>Hamo</u>	ver. NH	My Commission Expires	,
WITNESS WHEREOF is $\frac{15}{15}$ day of	June	-	seal at <u>Hamo</u>	ver. NH	My Commission Expires	,
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WITNESS WHEREOF is 15 day of tate of <u>New Ha</u> DUNITY OF 26	June mpshire	_, 19 <u>99</u>	seal at <u>Hano</u>	ver. NH	My Commission Expires	,
WITNESS WHEREOF is 15 day of tate of <u>New Ha</u> DUNITY OF 26	June	_, 19 <u>99</u>	seal at <u>Hano</u>	ver. NH	My Commission Expires	,
I WITNESS WHEREOF is 15 day of tate of <u>New Ha</u> DUNTY OF <u>G</u> Before n	June mpshire	_, 19 <u>99</u> : :ss. % day of	I seal at <u>Hano</u> <u>Yong</u> <u>June</u>	<u>ver. NH</u> <u>3</u> . _, 19 <u>99</u> , per	My Commission Expires	
I WITNESS WHEREOF is <u>//5</u> day of FATE OF <u>New Ha</u> DUNTY OF <u>C</u> Before n Yoyng Zhou	June mpshire	_, 19 <u>99</u> : :ss. <u>#</u> day of known	I seal at <u>Hano</u> <u>Jong</u> Yong	<u>ver. NH</u> <u><u>3</u> _, 19<u>99</u>, per person whose</u>	My Commission Expires	
WITNESS WHEREOF is <u>//</u> day of fate of <u>New Ha</u> ountry of <u>Go</u> Before n <u>Young Zhou</u> regoing Assignment,	June mpshire of this; are this; and acknowleds	_, 19 <u>99</u> : :ss. <u>#</u> day of known	I seal at <u>Hano</u> <u>Jong</u> Yong	<u>ver. NH</u> <u><u>3</u> _, 19<u>99</u>, per person whose</u>	My Commission Expires	
<u>.</u>	June mpshire of this; are this; and acknowleds	_, 19 <u>99</u> : :ss. <u>#</u> day of known	I seal at <u>Hano</u> <u>Jong</u> Yong	<u>ver. NH</u> <u><u>3</u> _, 19<u>99</u>, per person whose</u>	My Commission Expires	
WITNESS WHEREOF is <u>//5</u> day of FATE OF <u>New Ha</u> OUNTY OF <u>Good</u> Before n <u>Young Zhou</u> regoing Assignment,	June mpshire of this; are this; and acknowleds	_, 19 <u>99</u> : :ss. <u>#</u> day of known	Seal at <u>Hano</u> <u>Yong</u> Yong <u>June</u> to me to be the p /she executed the	<u>ver. NH</u> <u><u>3</u> _, 19<u>99</u>, per person whose</u>	My Commission Expires	
WITNESS WHEREOF is <u>//</u> day of fate of <u>New Ha</u> ountry of <u>Go</u> Before n <u>Young Zhou</u> regoing Assignment,	June mpshire of this; are this; and acknowleds	_, 19 <u>99</u> : :ss. <u>#</u> day of known	I seal at <u>Hano</u> <u>Jong</u> Yong	<u>ver. NH</u> <u><u>3</u> _, 19<u>99</u>, per person whose</u>	My Commission Expires	
WITNESS WHEREOF is <u>//</u> day of fate of <u>New Ha</u> ountry of <u>Go</u> Before n <u>Young Zhou</u> regoing Assignment,	June mpshire of this; are this; and acknowleds	_, 19 <u>99</u> : :ss. <u>#</u> day of known	Seal at <u>Hano</u> <u>Yong</u> Yong <u>June</u> to me to be the p /she executed the	ver. NH 34 _, 1999, per person whose same as his	My Commission Expires	

PATENT REEL: 018848 FRAME: 0819

RECORDED: 02/02/2007

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