#### Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Gregory John McAvoy	09/07/2010
Emma Rose Kerr	09/07/2010
Ronan Padraig Sean O'Reilly	09/07/2010
Vincent Patrick Lawlor	09/07/2010
Misty Bagnat	09/07/2010

#### RECEIVING PARTY DATA

Name:	SILVERBROOK RESEARCH PTY LTD
Street Address:	393 Darling Street
City:	Balmain
State/Country:	AUSTRALIA
Postal Code:	2041

#### PROPERTY NUMBERS Total: 10

Property Type	Number
Application Number:	12895856
Application Number:	12895857
Application Number:	12895858
Application Number:	12895859
Application Number:	12895860
Application Number:	12895861
Application Number:	12895862
Application Number:	12895863
Application Number:	12895864
Application Number:	12895865

**CORRESPONDENCE DATA** 

PATENT REEL: 026455 FRAME: 0566 1289585

:H \$400<u>.</u>00

501566918

Fax Number: (999)999-9999

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: +61 2 98186633

Email: pair@silverbrookresearch.com

Correspondent Name: Kia Silverbrook
Address Line 1: 393 Darling Street

Address Line 4: Balmain, AUSTRALIA 2041

ATTORNEY DOCKET NUMBER:	MMJ011US-MMJ020US
NAME OF SUBMITTER:	Tegan O'Neill

Total Attachments: 50

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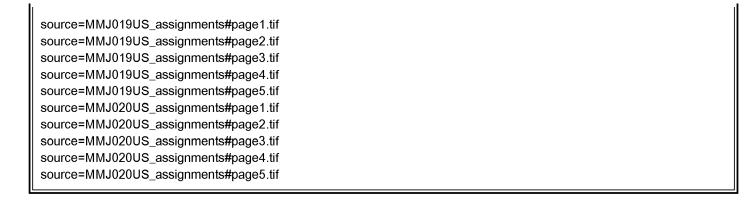
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PATENT REEL: 026455 FRAME: 0567



PATENT REEL: 026455 FRAME: 0568

ASSIGNMENT OF APPLICATION	Docket Number (Optional)  MMJ011US
0.54	
Whereas, I, Gregory John McAvoy of	Square East, Dublin 2, hereafte
referred to as applicant, have invented certain new and useful impro	ovements in
for which an application for a United States Patent was filed.  Application Number	
for which an application for a United States Patent was exec	outed on September 7, 2010, and
Whereas, Silverbrook Research Pty Ltd of Balmain, New So	outh Wales, Australia herein referred to
"assignee" whose post office address is 393 Darling Street , Balma	ain , New South Wales , 2041 is de
sirous of acquiring the entire right, title and interest in the same;	
Now, therefore, in consideration of the sum of <u>one</u> dollars (\$_	1.00 ), the receipt whereof is ac
knowledged, and other good and valuable consideration, I, the appli	icant, by these presents do sell, assign
and transfer unto said assignee the full and exclusive right to the sai	id invention in the United States and th
entire right, title and interest in and to any and all Patents which may	be granted therefor in the United States
I hereby authorize and request the Commissioner of Patents and T	rademarks to issue said United States
Patent to said assignee, of the entire right, title, and interest in and to	o the same, for his sole use and behoo
and for the use and behoof of his legal representatives, to the full en	nd of the term for which said Patent ma
be granted, as fully and entirely as the same would have been held	by me had this assignment and sale no
been made.	
Executed this O7 day of Sept	,20 <u>10</u> _,
at 8 Fitzwilliam Square East, Dublin 2	•
	MG-
State of	(Signature) ed this
Seal	(Notary Public)
	()

ASSIGNMENT OF APPL	LICATION	Docket Number (Optional)  MMJ011US
YAN STATE OF THE S	8 Fitzwilliam Square Ea	ast, Dublin 2
Whereas, I, Emma Rose Kerr		, hereafter
referred to as applicant, have invented certain r INKJET NOZZLE ASSEMBLY WITH DROP DIRECTION		
for which an application for a United Sta Application Number		,
for which an application for a United Sta	ates Patent was executed on $\underline{S}$	ept. 7,2010, and
Whereas, Silverbrook Research Pty Ltd	of_Balmain, New South Wales	, Australia herein referred to
"assignee" whose post office address is 393 D	arling Street , Balmain , New S	South Wales , 2041 is de-
sirous of acquiring the entire right, title and inte	rest in the same;	
Now, therefore, in consideration of the sum of _	one dollars (\$_1.00	_), the receipt whereof is ac-
knowledged, and other good and valuable cons	sideration, I, the applicant, by th	nese presents do sell, assign
and transfer unto said assignee the full and exc	lusive right to the said invention	n in the United States and the
entire right, title and interest in and to any and al	l Patents which may be granted	I therefor in the United States
I hereby authorize and request the Commissio	ner of Patents and Trademark	s to issue said United States
Patent to said assignee, of the entire right, title,	and interest in and to the same	e, for his sole use and behoof
and for the use and behoof of his legal represer	ntatives, to the full end of the te	rm for which said Patent may
be granted, as fully and entirely as the same wo	ould have been held by me had	this assignment and sale no
been made.		
Executed this day	y of	,20_10
at 8 Fitzwilliam Square East, Dublin 2		·
	to we are on	leve
State of		Signature)
Seal	(N	otary Public)

### Docket Number (Optional) ASSIGNMENT OF APPLICATION MMJ011US 8 Fitzwilliam Square East, Dublin 2 Rónán Pádraig Seán O'Reilly Whereas, I. . hereafter referred to as applicant, have invented certain new and useful improvements in INKJET NOZZLE ASSEMBLY WITH DROP DIRECTIONALITY CONTROL VIA INDEPENDENTLY ACTUABLE ROOF PADDLES for which an application for a United States Patent was filed on Application Number\_\_\_\_\_ for which an application for a United States Patent was executed on Sept 7, 2010, and of Balmain, New South Wales, Australia herein referred to Whereas, Silverbrook Research Pty Ltd "assignee" whose post office address is $\underline{\phantom{a}393}$ Darling Street , Balmain , New South Wales , 2041 sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. \_\_\_ day of Executed this 8 Fitzwilliam Square East, Dublin 2 SS: State of County of Before me personally appeared said and acknowledged the foregoing instrument to be his free act and deed this (Notary Public) Seal

ASSIGNMENT OF APPLICATION			Docket Number (Optional)  MMJ011US			
Whereas, I, Vinc	ent Patrick Lawlor	of	8 Fitzwilliam So	quare Ea	st, Dublin 2	, hereafter
referred to as app	licant, have invented c SEMBLY WITH DROP DIR	ertain new ar	nd useful improv	ements i	n	
for which a	an application for a Uni n Number	ited States Pa	atent was filed or	າ		,
	an application for a Un			ted on <u>S</u>	ept. 7,2	. <u>010</u> , and
Whereas, Silverbro	ook Research Pty Ltd	of_E	Balmain, New Sou	ıth Wales	, Australia h	erein referred to
"assignee" whose	post office address is _	393 Darling	Street , Balmair	n , New S	South Wales	, 2041 is de-
sirous of acquiring	g the entire right, title a	nd interest in	the same;			
Now, therefore, in	consideration of the s	um of one	dollars (\$_	1.00	_), the receip	t whereof is ac-
knowledged, and	other good and valuab	le considerat	ion, I, the applica	ant, by th	ese presents	s do sell, assign
and transfer unto	said assignee the full a	ınd exclusive	right to the said	inventior	n in the United	d States and the
entire right, title ar	nd interest in and to any	and all Pater	nts which may be	e granted	therefor in th	e United States
I hereby authorize	and request the Com	ımissioner of	Patents and Tra	ademark	s to issue sai	d United States
Patent to said ass	ignee, of the entire rigl	nt, title, and in	terest in and to t	he same	, for his sole	use and behoof
and for the use an	d behoof of his legal re	presentative	s, to the full end	of the te	rm for which s	said Patent may
be granted, as full	y and entirely as the sa	ame would ha	ive been held by	me had	this assignm	ent and sale not
been made.						
Executed this	67	day of	09		, 20	10
at 8 Fitzwilliam S	Square East, Dublin 2				· · · · · · · · · · · · · · · · · · ·	•
			Viscol	lac	lose	
and acknowledge	) nally appeared said ed the foregoing instrum	~	ree act and deed		Signature)	
uay or	, 20					
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ASSIGNMENT OF APPLICATION	Docket Number (Optional)  MMJ011US
Whereas, I, Misty Bagnat 6 8 Fitzwilliam	n Square East, Dublin 2 , hereafter
referred to as applicant, have invented certain new and useful impi INKJET NOZZLE ASSEMBLY WITH DROP DIRECTIONALITY CONTROL VIA	
for which an application for a United States Patent was filed Application Number	d on,
for which an application for a United States Patent was exe	ecuted on Sept. 7, 2010, and
Whereas, Silverbrook Research Pty Ltd of Balmain, New S	South Wales, Australia herein referred to
"assignee" whose post office address is <u>393 Darling Street</u> , Balm	nain , New South Wales , 2041 is de-
sirous of acquiring the entire right, title and interest in the same;	
Now, therefore, in consideration of the sum of <u>one</u> dollars (	\$1.00), the receipt whereof is ac-
knowledged, and other good and valuable consideration, I, the app	plicant, by these presents do sell, assign
and transfer unto said assignee the full and exclusive right to the sa	aid invention in the United States and the
entire right, title and interest in and to any and all Patents which may	y be granted therefor in the United States,
I hereby authorize and request the Commissioner of Patents and	Trademarks to issue said United States
Patent to said assignee, of the entire right, title, and interest in and	to the same, for his sole use and behoof;
and for the use and behoof of his legal representatives, to the full e	and of the term for which said Patent may
be granted, as fully and entirely as the same would have been held	by me had this assignment and sale not
been made.	
Executed this O7 day of 09	, 20 <u>(</u> ),
at 8 Fitzwilliam Square East, Dublin 2	*
MC	Board
State of	(Signature)
Seal	(Notary Public)

Whereas, I, Gregory John McAvoy	8 Fitzwilliam Square	
		, hereafte
referred to as applicant, have invented certain new PAGEWIDTH INKJET PRINTHEAD WITH	•	
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for which an application for a United States Application Number	Patent was filed on	,
for which an application for a United States		Sept . 7, 2010, and
Whereas, Silverbrook Research Pty Ltd O	Balmain, New South Wai	es, Australia herein referred t
"assignee" whose post office address is 393 Darlin	ng Street , Balmain , Nev	v South Wales , 2041 is de
sirous of acquiring the entire right, title and interest	in the same;	
Now, therefore, in consideration of the sum of one	dollars (\$ 1.00	), the receipt whereof is ac
knowledged, and other good and valuable conside	ration, I, the applicant, by	these presents do sell, assig
and transfer unto said assignee the full and exclusi-	ve right to the said invent	ion in the United States and th
entire right, title and interest in and to any and all Pa	tents which may be grant	ed therefor in the United States
I hereby authorize and request the Commissioner	of Patents and Tradema	rks to issue said United State
Patent to said assignee, of the entire right, title, and	I interest in and to the sar	me, for his sole use and behoo
and for the use and behoof of his legal representati	ves, to the full end of the	term for which said Patent ma
be granted, as fully and entirely as the same would	have been held by me ha	ad this assignment and sale no
been made.	•	-
Executed this day of	09	.20 10 .
at 8 Fitzwilliam Square East, Dublin 2		
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State of	/(/	(Signature)
County of		
and acknowledged the foregoing instrument to be hiday of, 20	s free act and deed this _	

ASSIGNMENT OF APPLICATION			Docket Number ( MMJ012US	Optional)	
			<u>                                     </u>		
Whereas, I, Emma Rose	Kerr		Fitzwilliam Square	East, Dublin 2	_, hereafte
referred to as applicant, h					
PAGEWIDTH INKJE					
for which an appli Application Numb	cation for a Unite	ed States Pate	nt was filed on		······································
				Sept. 7,2016	), and
Whereas, Silverbrook Resea	arch Pty Ltd	of_Bair	main, New South Wal	es, Australia hereir	referred t
"assignee" whose post offi	ce address is	393 Darling St	reet , Balmain , Nev	w South Wales , 204	11is de
sirous of acquiring the en	tire right, title an	d interest in the	e same;		
Now, therefore, in conside	eration of the su	m of one	_ dollars (\$1.00_	), the receipt who	ereofis ac
knowledged, and other go	ood and valuable	e consideration	, I, the applicant, by	these presents do :	sell, assig
and transfer unto said ass	ignee the full an	d exclusive rig	ht to the said invent	ion in the United St	ates and th
entire right, title and intere	st in and to any a	and all Patents	which may be grant	ted therefor in the Ur	ited State
I hereby authorize and re	quest the Comn	nissioner of Pa	tents and Tradema	ırks to issue said Ur	ited State
Patent to said assignee, o	f the entire right	, title, and inter	est in and to the sar	me, for his sole use a	and behoo
and for the use and behoo	of of his legal rep	resentatives, t	o the full end of the	term for which said	Patent ma
be granted, as fully and e	ntirely as the sar	ne would have	been held by me ha	ad this assignment a	ind sale no
been made.	·		·	-	
Executed this	F0	day of	09	.20 <i>[</i> 0	
at 8 Fitzwilliam Square E					
			<i>C</i>	111.	
	00:	**************************************	6 min	(Signature)	
State of County of	<sub>)</sub> ss:				
Before me personally ap		44- h- 11- f			
and acknowledged the folday of,		TI TO DE NIS TÂG	act and deed this _		
Seal				/Ninten ( Diship)	
<del>Goal</del>				(Notary Public)	

ASSIGNMENT OF APPLICATION			Docket Number (Optional)		
				MMJ012US	
Whereas, I, Rónán Pá	draig Seán O'Reilly	8 of	Fitzwilliam Square Ea	ast, Dublin 2	_, hereafte
referred to as applicant,					
PAGEWIDTH INKJ	ET PRINTHEAD	WITH DR	OP DIRECTIONA	LITY CONTR	OL
	•				
for which an app Application Num	olication for a United	States Pater	nt was filed on	***************************************	,
for which an ap	olication for a United	i States Pate	nt was executed on <u></u>	Sept.7,2013	<u>)</u> , and
Whereas, Silverbrook Res	search Pty Ltd	of_Bair	nain, New South Wales,	, Australia hereir	n referred to
"assignee" whose post o	ffice address is 39	3 Darling Str	eet , Balmain , New S	South Wales , 204	41 is de-
sirous of acquiring the e	ntire right, title and	interest in the	same;		
Now, therefore, in consi	deration of the sum	of one	_dollars (\$1.00	_), the receipt who	ereofis ac-
knowledged, and other	good and valuable o	consideration	, I, the applicant, by th	ese presents do :	sell, assign
and transfer unto said a	ssignee the full and	exclusive rigi	nt to the said invention	n in the United Sta	ates and the
entire right, title and inte	rest in and to any ar	d all Patents	which may be granted	therefor in the Ur	nited States
hereby authorize and a	equest the Commi	ssioner of Pa	tents and Trademarks	s to issue said Ur	ited States
Patent to said assignee,	of the entire right, t	itle, and inter	est in and to the same	, for his sole use a	and behoof;
and for the use and beh	oof of his legal repre	esentatives, t	o the full end of the ter	m for which said	Patent may
be granted, as fully and	entirely as the same	e would have	been held by me had	this assignment a	ınd <b>sale</b> not
been made.					
Executed this	07	day of	09	ر 20 رع	. 1
at 8 Fitzwilliam Square	East, Dublin 2			1	*
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State of	<sub>)</sub> ss:		(8	Signature)	
County of	) appeared said				
and acknowledged the	oregoing instrument	to be his free	act and deed this		
day of	_, ∠∪				
Seal			(No	otary Public)	······································
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ASSIGNMENT OF APPLICA	TION	Docket Number (Optional) MMJ012US
Whereas, I, Vincent Patrick Lawlor of	8 Fitzwilliam Square Ea	ast, Dublin 2 , hereafter
referred to as applicant, have invented certain new a		
PAGEWIDTH INKJET PRINTHEAD WITH	DROP DIRECTIONA	ALITY CONTROL
for which an application for a United States P Application Number for which an application for a United States P	•	
Whereas, Sliverbrook Research Pty Ltd of		,
"assignee" whose post office address is 393 Darling	Street , Balmain , New :	South Wales , 2041 is de-
sirous of acquiring the entire right, title and interest in	the same;	
Now, therefore, in consideration of the sum of one	dollars (\$1.00	_), the receipt whereof is ac-
knowledged, and other good and valuable consideration	tion, I, the applicant, by th	nese presents do sell, assign
and transfer unto said assignee the full and exclusive	right to the said invention	n in the United States and the
entire right, title and interest in and to any and all Pate	nts which may be granted	therefor in the United States,
I hereby authorize and request the Commissioner of	Patents and Trademark	s to issue said United States
Patent to said assignee, of the entire right, title, and in	nterest in and to the same	a, for his sole use and behoof;
and for the use and behoof of his legal representative	s, to the full end of the te	rm for which said Patent may
be granted, as fully and entirely as the same would ha	ave been held by me had	this assignment and sale not
been made.		
Executed thisday of	09	, <sub>20_</sub> tO,
at8 Fitzwilliam Square East, Dublin 2		·
	Virab lue	lov
State of		Signature)
Seal	(N	otary Public)

ASSIGNMENT OF APPLICATION		Docket Number (Optional) MMJ012US		
				19119100 1200
Whereas, I, Misty	/ Bagnat	of	Fitzwilliam Squar	e East, Dublin 2 , hereaft
	licant, have invented			
PAGEWIDTH I	NKJET PRINTH	EAD WITH DE	ROP DIRECTIO	NALITY CONTROL
Application	n Number	·····	•	
for which a	an application for a U	Inited States Pate	ent was executed o	in <u>Sppt 7, 2017</u> , and
Whereas, Silverbro	ook Research Pty Ltd	of_ <u>Ba</u> i	main, New South W	ales, Australia herein referred
"assignee" whose	post office address is	393 Darling S	treet , Balmain , N	ew South Wales , 2041 Is o
sirous of acquiring	the entire right, title	and interest in th	e same;	
Now, therefore, in	consideration of the	sum of one	dollars (\$ 1.00	), the receipt whereof is a
				by these presents do sell, assig
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	-	•		ntion in the United States and t
entire right, title an	d interest in and to a	ny and all Patents	which may be gra	nted therefor in the United State
I hereby authorize	and request the Co	mmissioner of Pa	atents and Tradem	arks to issue said United State
Patent to said assi	gnee, of the entire ri	ght, title, and inte	rest in and to the sa	ame, for his sole use and beho
and for the use and	d behoof of his legal	representatives,	to the full end of th	e term for which said Patent ma
be granted, as fully	y and entirely as the	same would have	e been held by me	had this assignment and sale n
been made.				
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<del></del>	quare East, Dublin 2			, =-
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			MKBogno	<b>)</b>
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day of				<del>yan di manga kanday kanga manga kanday kaba</del>
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Seal				(Notary Public)

ASSIGNMENT OF APPLIC	Docket Number (Optional)  MMJ013US	
	0.511 111 0 5	
Whereas, I, Gregory John McAvoy	8 Fitzwilliam Square Ea	ast, Dublin 2 , hereafter
referred to as applicant, have invented certain new PAGEWIDTH INKJET PRINTHEAD CONFIGURED SUCH		
for which an application for a United States Application Number	Patent was filed on	•
for which an application for a United States		Sept 7,2010, and
Whereas, Silverbrook Research Pty Ltd o	f Balmain, New South Wales	, Australia herein referred to
"assignee" whose post office address is 393 Darli	ng Street , Balmain , New S	South Wales , 2041 is de-
sirous of acquiring the entire right, title and interest	in the same;	_
Now, therefore, in consideration of the sum of <u>one</u>	dollars (\$ 1.00	_), the receipt whereof is ac-
knowledged, and other good and valuable conside	ration, I, the applicant, by th	nese presents do sell, assign
and transfer unto said assignee the full and exclusi	ve right to the said invention	n in the United States and the
entire right, title and interest in and to any and all Pa	tents which may be granted	I therefor in the United States
I hereby authorize and request the Commissioner	of Patents and Trademark	s to issue said United States
Patent to said assignee, of the entire right, title, and	I interest in and to the same	o, for his sole use and behoof;
and for the use and behoof of his legal representati	ves, to the full end of the te	rm for which said Patent may
be granted, as fully and entirely as the same would	have been held by me had	this assignment and sale not
been made.		
Executed this day of	09	,20_ <i>(</i> O,
at8 Fitzwilliam Square East, Dublin 2		
	/ m	×6 -
State of		Signature)
Seal	(N	otary Public)

ASSIGNMENT OF APPLICATION		Docket Number (Optional) MMJ013US	
Whereas, I, Emma Rose Keri	r of	8 Fitzwilliam Square B	East, Dublin 2 , hereafter
referred to as applicant, have i	nvented certain new and		S In
	n for a United States Pat		
			Sept 7,2010, and
Whereas, Silverbrook Research P	ty Ltdof_Be	almain, New South Wale	es, Australia herein referred to
"assignee" whose post office ac	ddress is 393 Darling S	Street , Balmain , New	South Wales , 2041 is de-
sirous of acquiring the entire ri	ght, title and interest in t	he same;	
Now, therefore, in consideration	on of the sum of one	dollars (\$ <u>1.00</u>	), the receipt whereof is ac-
knowledged, and other good a	nd valuable consideration	on, I, the applicant, by	these presents do sell, assign
and transfer unto said assigne	e the full and exclusive r	ight to the said inventi	on in the United States and the
entire right, title and interest in	and to any and all Patent	s which may be grante	ed therefor in the United States,
i hereby authorize and reques	t the Commissioner of F	Patents and Trademar	ks to issue said United States
Patent to said assignee, of the	entire right, title, and into	erest in and to the sam	ne, for his sole use and behoof;
and for the use and behoof of h	nis legal representatives	, to the full end of the t	erm for which said Patent may
be granted, as fully and entirely	y as the same would hav	e been held by me ha	d this assignment and sale not
been made.			
Executed thisO	day of	09	,20 <u></u> 0,
at 8 Fitzwilliam Square East, I	Oublin 2		
		Buma	lus
State of) County of) Before me personally appears and acknowledged the foregoli	ng instrument to be his fre		(Signature)
day of, 20	·		
Seal	•	(	Notary Public)

	ASSIGNMENT OF APPLICATION		Docket Number (	(Optional)	
			<b>-</b> . 1	MMJ013US	
Whereas, I, _F	Rónán Pádraig Seán O'F	Reilly of_	Fitzwilliam Squa	re East, Dublin 2	_, hereafi
	applicant, have invented KJET PRINTHEAD CONFIG		•	• • • • • • • • • • • • • • • • • • • •	ZLE DENSI
for wh	ich an application for a U ation Number	Inited States Pate	ent was filed on	and the state of t	
	ich an application for a L			on <u>Sept 7,2010</u>	<u>)</u> , and
Whereas, sliv	erbrook Research Pty Ltd	of Bal	main, New South V	Vales, Australia hereir	n referred
"assignee" who	ose post office address is	393 Darling S	treet , Balmain , N	New South Wales , 20	41 is d
sirous of acqui	iring the entire right, title	and interest in th	ie same;		
Now, therefore	e, in consideration of the	sum of one	dollars (\$1.0	0), the receipt wh	ereof is a
knowledged, a	and other good and value	able consideratio	n, I, the applicant,	by these presents do	sell, assiç
and transfer u	nto said assignee the ful	l and exclusive rig	ght to the said inve	ention in the United St	ates and t
entire right, title	e and interest in and to a	ny and all Patents	which may be gra	anted therefor in the Ur	nited State
I hereby author	orize and request the Co	mmissioner of Pa	atents and Trade	marks to issue said Ur	nited State
Patent to said	assignee, of the entire ri	ght, title, and inte	rest in and to the s	same, for his sole use :	and beho
and for the use	and behoof of his legal	representatives,	to the full end of t	ne term for which said	Patent ma
be granted, as	fully and entirely as the	same would have	e been held by me	had this assignment a	and sale n
been made.					
Executed this _	07	day of	<u>09</u>	, 20_ <i>[</i> *>	
at8 Fitzwillia	m Square East, Dublin 2				
			Koras	My	
and acknowle	ersonally appeared said adged the foregoing instru		e act and deed this	(Signature)	
day of	, 20				
Seal		<del>-</del>	· · · · · · · · · · · · · · · · · · ·	(Notary Public)	

ASSIGNMENT OF APPLICAT	TION	Docket Number (Optional) MMJ013US
Whereas, I, Vincent Patrick Lawlor of	8 Fitzwilliam Square E	ast, Dublin 2 , hereafter
referred to as applicant, have invented certain new ar PAGEWIDTH INKJET PRINTHEAD CONFIGURED SUCH TO	nd useful improvements	in
for which an application for a United States Pa Application Number		
for which an application for a United States Pa	atent was executed on _	Sept 7,2010, and
Whereas, Silverbrook Research Pty Ltd of E	Balmain, New South Wales	, Australia herein referred to
"assignee" whose post office address is 393 Darling	Street , Balmain , New	South Wales , 2041 is de-
sirous of acquiring the entire right, title and interest in	the same;	
Now, therefore, in consideration of the sum of one	doilars (\$1.00	_), the receipt whereof is ac-
knowledged, and other good and valuable considerat	tion, I, the applicant, by th	nese presents do sell, assign
and transfer unto said assignee the full and exclusive	right to the said invention	n in the United States and the
entire right, title and interest in and to any and all Pater	nts which may be granted	d therefor in the United States,
I hereby authorize and request the Commissioner of	Patents and Trademark	s to issue said United States
Patent to said assignee, of the entire right, title, and in	terest in and to the same	e, for his sole use and behoof;
and for the use and behoof of his legal representative	s, to the full end of the te	rm for which said Patent may
be granted, as fully and entirely as the same would ha	ave been held by me had	this assignment and sale not
been made.		
Executed this day of	09	, 20 <u>[0</u> ,
at 8 Fitzwiiliam Square East, Dublin 2		*
	Visal las	lor
State of	(	Signature)
Seal	<u> </u>	lotary Public)

ASSIGNMENT OF APPLICATION		Docket Number (Optional MMJ013US	
	1010001303		
Whereas, I,Misty Bagnatof	8 Fitzwilliam Square Ea	ast, Dublin 2 , hereaf	
referred to as applicant, have invented certain new an PAGEWIDTH INKJET PRINTHEAD CONFIGURED SUCH THE	•	·	
for which an application for a United States Pa Application Number			
for which an application for a United States Pa		Sept 7,2010, and	
Whereas, Silverbrook Research Pty Ltd of B			
"assignee" whose post office address is 393 Darling	Street , Balmain , New :	South Wales , 2041 is c	
sirous of acquiring the entire right, title and interest in	the same;		
Now, therefore, in consideration of the sum of one	dollars (\$1.00	_), the receipt whereof is a	
knowledged, and other good and valuable considerati	ion, I, the applicant, by th	nese presents do sell, assi	
and transfer unto said assignee the full and exclusive	right to the said invention	n in the United States and t	
entire right, title and interest in and to any and all Paten	its which may be granted	therefor in the United State	
I hereby authorize and request the Commissioner of	Patents and Trademark	s to issue said United State	
Patent to said assignee, of the entire right, title, and int	terest in and to the same	e, for his sole use and beho	
and for the use and behoof of his legal representatives	s, to the full end of the te	rm for which said Patent ma	
be granted, as fully and entirely as the same would ha	ve been held by me had	this assignment and sale n	
been made.			
Executed this day of	09	,20/,	
at 8 Fitzwilliam Square East, Dublin 2		·	
	MkBaanat	William Principles of the American State of	
State of	(	Signature)	
Seal		lotary Public)	

## Docket Number (Optional) ASSIGNMENT OF APPLICATION MMJ014US 8 Fitzwilliam Square East, Dublin 2 Whereas, I, Gregory John McAvoy , hereafter referred to as applicant, have invented certain new and useful improvements in STATIONARY INKJET PRINTHEAD WITH DEAD NOZZLE COMPENSATION PROVIDED BY NOZZLES IN SAME NOZZLE ROW for which an application for a United States Patent was filed on Application Number for which an application for a United States Patent was executed on 82pt 7,2010, and of Balmain, New South Wales, Australia herein referred to Whereas, Silverbrook Research Pty Ltd "assignee" whose post office address is 393 Darling Street, Balmain, New South Wales, 2041 sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. day of 8 Fitzwilliam Square East, Dublin 2 SS: State of County of Before me personally appeared said and acknowledged the foregoing instrument to be his free act and deed this day of \_ , 20

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

Seal

(Notary Public)

ASSIC	ASSIGNMENT OF APPLICATION		אכ	MMJ014US	
Whereas, I, Emma Ros	se Kerr	8 of	Fitzwilliam Squar	e East, Dublin 2	, hereafter
referred to as applicant, STATIONARY INKJET PRIN	have invented o	ertain new and i	useful improveme	nts in	
for which an app					
<del></del>				in <u>Sept 7,2016</u>	<u>)</u> , and
Whereas, Silverbrook Res	earch Pty Ltd	of Balı	main, New South W	ales, Australia hereir	referred to
"assignee" whose post o	ffice address is _	393 Darling St	reet , Balmain , N	ew South Wales , 204	11 is de-
sirous of acquiring the e	ntire right, title a	and interest in th	e same;		
Now, therefore, in consid	deration of the s	um of one	dollars (\$ <u>1.00</u>	), the receipt who	ereof is ac-
knowledged, and other o	good and valuat	ole consideration	n, I, the applicant, I	by these presents do s	sell, assign
and transfer unto said as	ssignee the full a	and exclusive rig	ht to the said inve	ntion in the United Sta	ates and the
entire right, title and inter	est in and to any	y and all Patents	which may be gra	nted therefor in the Ur	ited States,
I hereby authorize and r	equest the Con	nmissioner of Pa	atents and Traden	narks to issue said Un	ited States
Patent to said assignee,	of the entire rig	ht, title, and inter	est in and to the s	ame, for his sole use a	and behoof;
and for the use and beh	oof of his legal re	epresentatives, t	to the full end of th	e term for which said	Patent may
be granted, as fully and	entirely as the s	ame would have	been held by me	had this assignment a	nd sale not
been made.					
Executed this	07	day of	09	,20 <u>/</u> ©	
at 8 Fitzwilliam Square	East, Dublin 2		, (1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		•
			Emy	a lee	_
State of	) appeared said _ foregoing instrum	nent to be his free		(Signature)	
Seal				(Notary Public)	

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**PATENT REEL: 026455 FRAME: 0585** 

ASSIGNMENT OF APPLICATION	Docket Number (Optional)  MMJ014US
Bónán Bádraig Seán O'Boille 8 Fitzwilliam Square E	East, Dublin 2
Vhereas, I, Rónán Pádraig Seán O'Reilly of of	
eferred to as applicant, have invented certain new and useful improvements TATIONARY INKJET PRINTHEAD WITH DEAD NOZZLE COMPENSATION PROVIDED I	
for which are avallantian for a United Otates Date to use filed an	
for which an application for a United States Patent was filed on  Application Number	J
for which an application for a United States Patent was executed on	Sept 7, 2010, and
Vhereas, Silverbrook Research Pty Ltd of Balmain, New South Wale	s, Australia herein referred to
assignee" whose post office address is <u>393 Darling Street,Balmain,New</u>	South Wales , 2041 is de-
irous of acquiring the entire right, title and interest in the same;	
low, therefore, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>	), the receipt whereof is ac-
nowledged, and other good and valuable consideration, I, the applicant, by	these presents do sell, assign
nd transfer unto said assignee the full and exclusive right to the said invention	on in the United States and the
ntire right, title and interest in and to any and all Patents which may be grante	ed therefor in the United States,
hereby authorize and request the Commissioner of Patents and Trademar	ks to issue said United States
Patent to said assignee, of the entire right, title, and interest in and to the sam	ne, for his sole use and behoof;
and for the use and behoof of his legal representatives, to the full end of the t	erm for which said Patent may
e granted, as fully and entirely as the same would have been held by me ha	d this assignment and sale not
een made.	
executed this OF day of O9	,20 <u></u> ,
at 8 Fitzwilliam Square East, Dublin 2	•
Korien 1 c.	Mull
State of) SS: County of) Before me personally appeared said	(Signature)
and acknowledged the foregoing instrument to be his free act and deed thisday of, 20	

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**PATENT REEL: 026455 FRAME: 0586** 

A	ASSIGNMENT OF APPLICATION			Docket Number MMJ014US	(Optional)
Whereas I Vince	ent Patrick Lawlor	8 Of	Fitzwilliam Square	East, Dublin 2	hereafter
referred to as appli	cant, have invented of PRINTHEAD WITH DEA	certain new and	useful improvemer	nts in	
	n application for a Ur Number				······································
	ın application for a Uı			n <u>Sept 7,201</u>	<u>O</u> , and
Whereas, Silverbro	ok Research Pty Ltd	of Bal	main, New South Wa	ales, Australia_ here	in referred to
"assignee" whose p	oost office address is	393 Darling St	reet , Balmain , Ne	ew South Wales , 20	041is de-
sirous of acquiring	the entire right, title	and interest in th	e same;		
Now, therefore, in	consideration of the s	sum of one	dollars (\$1.00	), the receipt w	nereof is ac-
knowledged, and c	other good and valua	ble consideration	n, I, the applicant, b	y these presents do	sell, assign
and transfer unto s	aid assignee the full	and exclusive rig	ht to the said inver	ntion in the United S	tates and the
entire right, title and	d interest in and to an	y and all Patents	which may be grar	nted therefor in the L	Inited States,
I hereby authorize	and request the Cor	nmissioner of Pa	atents and Tradem	arks to issue said U	Inited States
Patent to said assi	gnee, of the entire rig	ht, title, and inte	est in and to the sa	ame, for his sole use	and behoof;
and for the use and	d behoof of his legal r	epresentatives,	to the full end of the	e term for which said	l Patent may
be granted, as fully	and entirely as the s	same would have	been held by me i	nad this assignment	and sale not
been made.					
Executed this	70	day of	09	, 20((	<u>)                                    </u>
at 8 Fitzwilliam S	quare East, Dublin 2				unterventuntentunuma <sup>a</sup>
		4	Voict la	Mer	
and acknowledge	) nally appeared said _ d the foregoing instrun			(Signature)	NACONAL PARTICIPATION AND AND AND AND AND AND AND AND AND AN
day of	. 20				
Seal		mean!		(Notary Public)	

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**REEL: 026455 FRAME: 0587** 

## Docket Number (Optional) ASSIGNMENT OF APPLICATION **MMJ014US** 8 Fitzwilliam Square East, Dublin 2 Whereas. I. Misty Bagnat referred to as applicant, have invented certain new and useful improvements in STATIONARY INKJET PRINTHEAD WITH DEAD NOZZLE COMPENSATION PROVIDED BY NOZZLES IN SAME NOZZLE ROW for which an application for a United States Patent was filed on Application Number for which an application for a United States Patent was executed on Sept 7, 2010, and of Balmain, New South Wales, Australia herein referred to Whereas, Silverbrook Research Pty Ltd "assignee" whose post office address is \_ 393 Darling Street , Balmain , New South Wales , 2041 sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. **⊘ →** \_\_day of \_\_\_\_ Executed this 8 Fitzwilliam Square East, Dublin 2 (Signature) SS: State of County of \_ Before me personally appeared said and acknowledged the foregoing instrument to be his free act and deed this \_ Seal (Notary Public)

ASSIGNMENT OF APPLICATION	Oocket Number (Optional) MMJ015US	
	3 Fitzwilliam Square Ea	ast, Dublin 2 , hereafte
referred to as applicant, have invented certain new and INKJET PRINTHEAD WITH JOIN REGIONS SEAMLES	•	<del></del>
for which an application for a United States Pate Application Number	ent was filed on	
for which an application for a United States Pate		ept 7,2010, and
Whereas, Sliverbrook Research Pty Ltd of Bal	lmain, New South Wales	, Australia herein referred to
"assignee" whose post office address is 393 Darling St	treet , Balmain , New :	South Wales , 2041 is de
sirous of acquiring the entire right, title and interest in th	ne same;	
Now, therefore, in consideration of the sum of one	dollars (\$1.00	_), the receipt whereof is ac
knowledged, and other good and valuable consideration		
and transfer unto said assignee the full and exclusive rig		_
entire right, title and interest in and to any and all Patents		
I hereby authorize and request the Commissioner of Pa	atents and Trademark	s to issue said United State:
Patent to said assignee, of the entire right, title, and inte		
and for the use and behoof of his legal representatives,		
be granted, as fully and entirely as the same would have		·
been made.		-
Executed this day of	<u>01</u>	, 20_ <i> O</i> ,
at_ 8 Fitzwilliam Square East, Dublin 2		
	12 2	
State of		Signature
Seal -	/Ni	otary Public)

ASSIGNMENT OF APPLICATION	Docket Number (Optional)  MMJ015US					
Whereas, i, _Emma Rose Kerr of	am Square East, Dublin 2					
referred to as applicant, have invented certain new and useful im	referred to as applicant, have invented certain new and useful improvements inINKJET PRINTHEAD WITH JOIN REGIONS SEAMLESSLY COMPENSATED BY DIRECTIONAL NOZZLES					
for which an application for a United States Patent was file Application Number  for which an application for a United States Patent was e						
Whereas, Silverbrook Research Pty Ltd of Balmain, Nev	, -					
"assignee" whose post office address is 393 Darling Street , Ba	lmain , New South Wales , 2041 is de-					
sirous of acquiring the entire right, title and interest in the same;						
Now, therefore, in consideration of the sum of <u>one</u> dollars	s (\$1.00), the receipt whereof is ac-					
knowledged, and other good and valuable consideration, I, the a	pplicant, by these presents do sell, assign					
and transfer unto said assignee the full and exclusive right to the	said invention in the United States and the					
entire right, title and interest in and to any and all Patents which ma	ay be granted therefor in the United States,					
I hereby authorize and request the Commissioner of Patents an	d Trademarks to issue said United States					
Patent to said assignee, of the entire right, title, and interest in an	d to the same, for his sole use and behoof;					
and for the use and behoof of his legal representatives, to the full	end of the term for which said Patent may					
be granted, as fully and entirely as the same would have been he	eld by me had this assignment and sale not					
been made.						
Executed this day of	., <sub>20_</sub> (					
at 8 Fitzwilliam Square East, Dublin 2	·					
En	ma lle					
State of	(Signature) deed this					
Seal	(Notary Public)					

	MMJ015US
Whereas, i, Rónán Pádraig Seán O'Reilly 6	tzwilliam Square East, Dublin 2
	, hereafte
referred to as applicant, have invented certain new and us INKJET PRINTHEAD WITH JOIN REGIONS SEAMLESSL	
for which an application for a United States Patent Application Number	was filed on,
for which an application for a United States Patent	was executed on Sept 7, 2010, and
Whereas, Silverbrook Research Pty Ltd of Balma	nin, New South Wales, Australia herein referred to
"assignee" whose post office address is 393 Darling Stre	et , Balmain , New South Wales , 2041 is de
sirous of acquiring the entire right, title and interest in the	same;
Now, therefore, in consideration of the sum of one	dollars (\$1.00), the receipt whereof is ac
knowledged, and other good and valuable consideration, I	, the applicant, by these presents do sell, assign
and transfer unto said assignee the full and exclusive right	to the said invention in the United States and th
entire right, title and interest in and to any and all Patents w	
I hereby authorize and request the Commissioner of Pate	
Patent to said assignee, of the entire right, title, and interes	
and for the use and behoof of his legal representatives, to	
be granted, as fully and entirely as the same would have b	
	een ned by me had this assignment and sale no
been made.	09 ,20 10
Executed this day of at 8 Fitzwilliam Square East, Dublin 2	, 20
	•
	Kirin Mul
State of	(Signature)
day of, 20	
Seal	(Notary Public)

ASSIGNMENT OF APPLICAT	ION	Docket Number (6 MMJ015US	Optional)
Whereas, I, Vincent Patrick Lawlor of_	8 Fitzwilliam Square Ea	ast, Dublin 2	_, hereafte
referred to as applicant, have invented certain new and INKJET PRINTHEAD WITH JOIN REGIONS SEAMLE	d useful improvements i	n	······································
for which an application for a United States Par Application Number	tent was filed on		
for which an application for a United States Pa		sept 7,201	O, and
Whereas, Silverbrook Research Pty Ltd of Book	almain, New South Wales	, Australia hereln	referred to
"assignee" whose post office address is 393 Darling S	Street , Balmain , New S	South Wales , 204	1is de-
sirous of acquiring the entire right, title and interest in t	the same;		
Now, therefore, in consideration of the sum of <u>one</u>	dollars (\$1.00	_), the receipt whe	reofis ac-
knowledged, and other good and valuable consideration	on, I, the applicant, by th	ese presents do s	ell, assign
and transfer unto said assignee the full and exclusive r	ight to the said inventior	in the United Sta	tes and the
entire right, title and interest in and to any and all Patent	ts which may be granted	therefor in the Uni	ited States
I hereby authorize and request the Commissioner of F	Patents and Trademark	s to issue said Uni	ted States
Patent to said assignee, of the entire right, title, and into	erest in and to the same	, for his sole use a	nd behoof
and for the use and behoof of his legal representatives	, to the full end of the te	m for which said F	atent may
be granted, as fully and entirely as the same would have	e been held by me had	this assignment ar	nd sale not
been made.			
Executed this day of	09	,20/Ó	
at 8 Fitzwilliam Square East, Dublin 2			
	Viril- Cento	ſ	
State of	(\$	Signature)	
Seal .	(Ne	otary Public)	······································

ASSIGNMENT OF APPLIC	ΑΤΙΟΝ	Docket Number (Optional)
Addiction of All Ele	Allon	MMJ015US
Whereas, I, Misty Bagnat	8 Fitzwilliam Square Ea	est, Dublin 2 , hereat
referred to as applicant, have invented certain new INKJET PRINTHEAD WITH JOIN REGIONS SEAM	and useful improvements i	n
for which an application for a United States Application Number	Patent was filed on	
for which an application for a United States		Sept 7, 2019, and
Whereas, Silverbrook Research Pty Ltd 0	f Balmain, New South Wales,	Australia herein referred
"assignee" whose post office address is 393 Darlin	ng Street , Balmain , New S	South Wales , 2041 is o
sirous of acquiring the entire right, title and interest	t in the same;	
Now, therefore, in consideration of the sum ofone	dollars (\$1.00	_), the receipt whereof is a
knowledged, and other good and valuable conside	ration, I, the applicant, by th	ese presents do sell, assi
and transfer unto said assignee the full and exclusi-	ve right to the said inventior	in the United States and
entire right, title and interest in and to any and all Pa	tents which may be granted	therefor in the United Stat
I hereby authorize and request the Commissioner	of Patents and Trademarks	s to issue said United Stat
Patent to said assignee, of the entire right, title, and	I interest in and to the same	, for his sole use and beho
and for the use and behoof of his legal representati	ves, to the full end of the ter	m for which said Patent m
be granted, as fully and entirely as the same would	have been held by me had	this assignment and sale r
been made.		
Executed thisday of	09	,20(0,
at8 Fitzwilliam Square East, Dublin 2		
	MKBagnat	
State of	,	signature)
Seal	(No	otary Public)

ASSIGNMENT OF APPLICATION	Docket Number (Optional)
Additional of All Electron	MMJ016US
8 Fitzwilliam Square Whereas, I,Gregory John McAvoyof	e East, Dublin 2 , hereafter
eferred to as applicant, have invented certain new and useful improvemen	nts in
PRINTHEAD INTEGRATED CIRCUIT WITH END NOZZLES FIRING	AT MULTIPLE DOT POSITION
for which an application for a United States Patent was filed on	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
for which an application for a United States Patent was executed o	n 8ept 7,2010, and
Whereas, Sliverbrook Research Pty Ltd of Balmain, New South We	ales, Australia herein referred to
assignee" whose post office address is <u>393 Darling Street,Balmain,Ne</u>	ew South Wales , 2041 is de-
sirous of acquiring the entire right, title and interest in the same;	
Now, therefore, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u>	), the receipt whereof is ac-
nowledged, and other good and valuable consideration, I, the applicant, b	by these presents do seil, assign
and transfer unto said assignee the full and exclusive right to the said inver	ntion in the United States and the
entire right, title and interest in and to any and all Patents which may be gran	nted therefor in the United States,
hereby authorize and request the Commissioner of Patents and Tradem	arks to issue said United States
Patent to said assignee, of the entire right, title, and interest in and to the sa	ame, for his sole use and behoof;
and for the use and behoof of his legal representatives, to the full end of the	e term for which said Patent may
be granted, as fully and entirely as the same would have been held by me i	nad this assignment and sale not
peen made.	
Executed this day of	, <sub>20_</sub> /0,
at_ 8 Fitzwilliam Square East, Dublin 2	
$\mathcal{O}$	m.c
State of	(Signature)
day of, 20	

Docket Number (Optional)

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ASSIGNMENT OF APPLICATION	ON	MMJ016US
Whereas, I, Emma Rose Kerr of	Fitzwilliam Square E	ast, Dublin 2
referred to as applicant, have invented certain new and PRINTHEAD INTEGRATED CIRCUIT WITH END N		,,
for which an application for a United States Pate Application Number	ent was filed on	
for which an application for a United States Pate		Sept 7,2010, and
Whereas, Silverbrook Research Pty Ltd of Bal	lmain, New South Wales	s, Australia herein referred t
"assignee" whose post office address is 393 Darling S	treet , Balmain , New	South Wales , 2041 is de
sirous of acquiring the entire right, title and interest in the	ne same;	
Now, therefore, in consideration of the sum of one	dollars (\$1.00	), the receipt whereof is ac
knowledged, and other good and valuable consideration	n, I, the applicant, by t	hese presents do sell, assig
and transfer unto said assignee the full and exclusive rig	ght to the said inventio	n in the United States and th
entire right, title and interest in and to any and all Patents	s which may be grante	d therefor in the United State
I hereby authorize and request the Commissioner of Pa	atents and Trademark	ks to issue said United State
Patent to said assignee, of the entire right, title, and inte	rest in and to the same	e, for his sole use and behoo
and for the use and behoof of his legal representatives,	to the full end of the te	erm for which said Patent ma
be granted, as fully and entirely as the same would have	e been held by me had	I this assignment and sale no
been made.		
Executed this day of	09	, 20 <i>_/</i> 0,
at8 Fitzwillam Square East, Dublin 2		•
	Enne	leen
State of		Signature)
Seal -		Notary Public)

ASSIGNMENT OF APPLICATION	Docket Number (Optional)  MMJ016US
Whereas, I, Rónán Pádraig Seán O'Reilly 6 8 Fitzw	villiam Square East, Dublin 2 , hereafter
referred to as applicant, have invented certain new and usefu PRINTHEAD INTEGRATED CIRCUIT WITH END NOZZL	l improvements in
for which an application for a United States Patent was	s filed on,
for which an application for a United States Patent wa	
Whereas, Silverbrook Research Pty Ltd of Balmain,	New South Wales, Australia herein referred to
"assignee" whose post office address is 393 Darling Street,	Balmain , New South Wales , 2041 is de-
sirous of acquiring the entire right, title and interest in the sam	ne;
Now, therefore, in consideration of the sum of <u>one</u> doll	lars (\$1.00), the receipt whereof is ac-
knowledged, and other good and valuable consideration, I, the	e applicant, by these presents do sell, assign
and transfer unto said assignee the full and exclusive right to t	the said invention in the United States and the
entire right, title and interest in and to any and all Patents which	h may be granted therefor in the United States,
I hereby authorize and request the Commissioner of Patents	and Trademarks to issue said United States
Patent to said assignee, of the entire right, title, and interest in	and to the same, for his sole use and behoof;
and for the use and behoof of his legal representatives, to the	full end of the term for which said Patent may
be granted, as fully and entirely as the same would have been	n held by me had this assignment and sale not
been made.	
Executed this day of	<u>09</u> ,20 <u>10</u> ,
at8 Fitzwilliam Square East, Dublin 2	·
N.	in Mulo
State of	(Signature)
Seal	(Notary Public)

ASSIGNMENT OF APPLICATION	TION	Docket Number (Optional) MMJ016US
Whereas, I, Vincent Patrick Lawlor of	8 Fitzwilliam Square Ea	ast, Dublin 2 , hereafter
referred to as applicant, have invented certain new ar PRINTHEAD INTEGRATED CIRCUIT WITH END		-
for which an application for a United States Pa Application Number		
for which an application for a United States Po		Sept 7,200, and
Whereas, Silverbrook Research Pty Ltd of E	Balmain, New South Wales	, Australia herein referred to
"assignee" whose post office address is 393 Darling	Street , Balmain , New S	South Wales , 2041 is de-
sirous of acquiring the entire right, title and interest in	the same;	
Now, therefore, in consideration of the sum of one	dollars (\$1.00	_), the receipt whereof is ac-
knowledged, and other good and valuable considerat	tion, I, the applicant, by th	nese presents do sell, assign
and transfer unto said assignee the full and exclusive	right to the said invention	n in the United States and the
entire right, title and interest in and to any and all Pater	nts which may be granted	i therefor in the United States,
I hereby authorize and request the Commissioner of	Patents and Trademark	s to issue said United States
Patent to said assignee, of the entire right, title, and in	terest in and to the same	e, for his sole use and behoof;
and for the use and behoof of his legal representative	s, to the full end of the te	rm for which said Patent may
be granted, as fully and entirely as the same would ha	ave been held by me had	this assignment and sale not
been made.		
Executed this day of	०१	,20 <i>[</i>
at 8 Fitzwilliam Square East, Dublin 2		and a second
	Visch led	Liv
State of	(9	Signature)
Seal	(N	otary Public)

ASSIGNMENT OF APPLICATI	ION	Docket Number (Optional)  MMJ016US
Whereas, I, _Misty Bagnatof_	3 Fitzwilliam Square Ea	ast, Dublin 2
referred to as applicant, have invented certain new and PRINTHEAD INTEGRATED CIRCUIT WITH END N	l useful improvements	in
for which an application for a United States Pate Application Number	ent was filed on	,
for which an application for a United States Pat		Sept 7,2010, and
Whereas, Silverbrook Research Pty Ltd of Ba	almain, New South Wales	s, Australia herein referred to
"assignee" whose post office address is 393 Darling S	Street , Balmain , New	South Wales , 2041 is de-
sirous of acquiring the entire right, title and interest in t	he same;	
Now, therefore, in consideration of the sum of one	dollars (\$1.00	_), the receipt whereof is ac-
knowledged, and other good and valuable consideration	on, I, the applicant, by th	nese presents do sell, assign
and transfer unto said assignee the full and exclusive ri	ght to the said invention	n in the United States and the
entire right, title and interest in and to any and all Patent	s which may be granted	d therefor in the United States,
I hereby authorize and request the Commissioner of P	atents and Trademark	s to issue said United States
Patent to said assignee, of the entire right, title, and into	erest in and to the same	e, for his sole use and behoof;
and for the use and behoof of his legal representatives,	, to the full end of the te	rm for which said Patent may
be granted, as fully and entirely as the same would hav	e been held by me had	this assignment and sale not
been made.		
Executed this day of	09	, 20_ <i>_(O</i> ,
at 8 Fitzwilliam Square East, Dublin 2		•
	MKBOOTO	entind defection as a second
State of		Signature)
Seal -	(N	lotary Public)

ASSIGNMENT OF APPLICATION  8 Fitzwilliam Square East, Dublin 2 Whereas, I, Gregory John McAvoy of
Whereas, I, Gregory John McAvoy of
PRINTHEAD INTEGRATED CIRCUIT WITH PRINTABLE ZONE LONGER THAN NOZZLE In for which an application for a United States Patent was filed on Application Number for which an application for a United States Patent was executed on Sept 7, 2010, and Whereas, Silverbrook Research Pty Ltd of Balmain, New South Wales, Australia herein referred sassignees whose post office address is 393 Darling Street, Balmain, New South Wales, 2041
Application Number
for which an application for a United States Patent was executed on Sept 7, 2010, and Whereas, Silverbrook Research Pty Ltd of Balmain, New South Wales, Australia herein referred "assignee" whose post office address is 393 Darling Street, Balmain, New South Wales, 2041
"assignee" whose post office address is 393 Darling Street , Balmain , New South Wales , 2041
sirous of acquiring the entire right, title and interest in the same;
·
Now, therefore, in consideration of the sum of <u>one</u> dollars (\$ <u>1.00</u> ), the receipt whereof is
knowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, as
and transfer unto said assignee the full and exclusive right to the said invention in the United States an
entire right, title and interest in and to any and all Patents which may be granted therefor in the United St
I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United St
Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and bel
and for the use and behoof of his legal representatives, to the full end of the term for which said Patent
be granted, as fully and entirely as the same would have been held by me had this assignment and sale
been made.
Executed this O 7 day of O 9 , 20 LD
at8 Fitzwilliam Square East, Dublin 2
State of SS: (Signature)
Before me personally appeared said and acknowledged the foregoing instrument to be his free act and deed this day of, 20
Seal (Notary Public)

ASSIGNMENT OF APPLICA	ATION	Docket Number (Optional)  MMJ017US
		IMIMIOUTTOO
Whereas, I, Emma Rose Kerr	8 Fitzwilliam Square Ea	ast, Dublin 2 , hereat
referred to as applicant, have invented certain new PRINTHEAD INTEGRATED CIRCUIT WITH P	and useful improvements i	in
for which an application for a United States in Application Number	······································	
for which an application for a United States		Sept 7, 2010, and
Whereas, Silverbrook Research Pty Ltd of	Balmain, New South Wales	, Australia herein referred
"assignee" whose post office address is 393 Darlin	ig Street , Balmain , New S	South Wales , 2041 is c
sirous of acquiring the entire right, title and interest	in the same;	
Now, therefore, in consideration of the sum of one	dollars (\$1.00	_), the receipt whereof is $arepsilon$
knowledged, and other good and valuable consider	ation, I, the applicant, by th	nese presents do sell, assi
and transfer unto said assignee the full and exclusiv		
entire right, title and interest in and to any and all Pat		
I hereby authorize and request the Commissioner of		
Patent to said assignee, of the entire right, title, and	interest in and to the same	o, for his sole use and beho
and for the use and behoof of his legal representative		
be granted, as fully and entirely as the same would h	have been held by me had	this assignment and sale r
been made.		-
Executed this day of _	<i>0</i> 9	, 20 <i>/O</i> ,
at 8 Fitzwilliam Square East, Dublin 2		
	6mm a	Ile ar
State of	·	Signature)
and acknowledged the foregoing instrument to be his day of, 20		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

**PATENT** 

A	SSIGNMENT OF	APPLICATI	ΩN	Docket Number	(Optionai)
	OOIOIIIIEII OI	ALLEGAL		MMJ017US	
Whereas, I, Róná	n Pádraig Seán O'R	eilly of_	Fitzwilliam Squar	e East, Dublin 2	, hereafter
referred to as appli	cant, have invented	certain new and	useful improveme	nts in ONGER THAN NO	· · · · · · · · · · · · · · · · · · ·
for which a	n application for a Ur Number	nited States Pate	ent was filed on	· · · · · · · · · · · · · · · · · · ·	,
				on <u>Sept 7,20</u>	( <i>O</i> , and
Whereas, Silverbroo	ok Research Pty Ltd	of Ba	main, New South W	/ales, Australia_ herei	n referred to
"assignee" whose p	oost office address is	393 Darling S	treet , Balmain , N	ew South Wales , 20	41is de-
sirous of acquiring	the entire right, title a	and interest in th	ne same;		
Now, therefore, in o	consideration of the s	sum of one	dollars (\$1.00	)), the receipt wh	ereof is ac-
				by these presents do	
and transfer unto s	aid assignee the full a	and exclusive rig	ght to the said inve	ntion in the United St	ates and the
	_			nted therefor in the U	
				narks to issue said Ur	
•	·			ame, for his sole use	
	-			e term for which said	
	_			had this assignment a	•
been made.	-		•	-	
Executed this	F0	day of	09	,20 (0	
at 8 Fitzwilliam Sc	uare East, Dublin 2				,
	Activities and the second seco		10.10		···········
			Myrad My	(Signature)	
State of	) <sub>,</sub> ss:			(0.8.19.19.19)	
Before me person	ally appeared said _				
and acknowledged day of	the foregoing Instrum, 20	ent to be his fre	e act and deed this		
Seal		_		(Notana Dublic)	
<b>3</b> 5001				(Notary Public)	

ASSIGNMENT OF APPLICAT	ΓΙΟΝ	Docket Number (Optional)  MMJ017US
		ININIOOTYOG
Whereas, I,Vincent Patrick Lawlor of	8 Fitzwilliam Square Ea	ast, Dublin 2 , hereafte
referred to as applicant, have invented certain new an PRINTHEAD INTEGRATED CIRCUIT WITH PR	nd useful improvements	in
for which an application for a United States Pa Application Number	atent was filed on	,
for which an application for a United States Pa		apt 7,2010, and
Whereas, Silverbrook Research Pty Ltd of B	Baimain, New South Wales	, Australia herein referred t
"assignee" whose post office address is 393 Darling	Street , Balmain , New	South Wales , 2041 is de
sirous of acquiring the entire right, title and interest in	the same;	
Now, therefore, in consideration of the sum of one	dollars (\$1.00	_), the receipt whereof is ac
knowledged, and other good and valuable considerati	ion, I, the applicant, by th	nese presents do sell, assig
and transfer unto said assignee the full and exclusive	right to the said invention	n in the United States and th
entire right, title and interest in and to any and all Pater	nts which may be granted	d therefor in the United State
I hereby authorize and request the Commissioner of	Patents and Trademark	s to issue said United State
Patent to said assignee, of the entire right, title, and in	terest in and to the same	, for his sole use and behoo
and for the use and behoof of his legal representatives	s, to the full end of the te	rm for which said Patent ma
be granted, as fully and entirely as the same would ha	ive been held by me had	this assignment and sale no
been made.		
Executed this day of	09	, 20 <i>/O</i> ,
at 8 Fitzwilliam Square East, Dublin 2		
	Visab la	Lse
State of	(	Signature)
Seal	(N	lotary Public)

	ASSIGNMENT O	F APPLICATION	ON	Docket Number (Optional) MMJ017US
				IVIIVIOUT / US
Whereas, I, Mist	ty Bagnat	8 of	Fitzwilliam Square	East, Dublin 2 , hereafter
referred to as app	olicant, have invented	certain new and	useful improvemen	
for which	an application for a Uon Number	Inited States Pate	nt was filed on	
				Sept 7,2010, and
Whereas, Silverbr	ook Research Pty Ltd	of_Bal	nain, New South Wa	les, Australia herein referred to
"assignee" whose	post office address is	393 Darling St	eet , Balmain , Ne	w South Wales , 2041 is de-
sirous of acquiring	g the entire right, title	and interest in th	e same;	
Now, therefore, in	consideration of the	sum of one	_dollars (\$1.00	), the receipt whereof is ac-
knowledged, and	other good and value	able consideration	, I, the applicant, by	y these presents do sell, assign
and transfer unto	said assignee the full	and exclusive rig	ht to the said invent	tion in the United States and the
entire right, title ar	nd interest in and to a	ny and all Patents	which may be gran	ted therefor in the United States,
I hereby authorize	e and request the Co	mmissioner of Pa	tents and Tradema	arks to issue said United States
Patent to said ass	signee, of the entire ri	ght, title, and inter	est in and to the sa	me, for his sole use and behoof;
and for the use ar	nd behoof of his legal	representatives, t	o the full end of the	term for which said Patent may
				ad this assignment and sale not
been made.				•
Executed this	70	day of	09	,20 10
at 8 Fitzwilliam S	Square East, Dublin 2			•
			Mrea	and the state of t
and acknowledge	SS:  ponally appeared said _ d the foregoing instrur	ment to be his free	act and deed this	(Signature)
day of	, 20			
Seal		-		(Notary Public)

PTO/SB/15 (8-96)

Approved for use through 9/30/98. OMB 0651-0027
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## Docket Number (Optional) ASSIGNMENT OF APPLICATION MMJ018US 8 Fitzwilliam Square East, Dublin 2 Gregory John McAvoy Whereas, I. , hereafter referred to as applicant, have invented certain new and useful improvements in METHOD OF CONTROLLING DROP DIRECTIONALITY FROM INKJET NOZZLE USING MULTIPLE INDEPENDENTLY-ACTUABLE ROOF PADDLES for which an application for a United States Patent was filed on Application Number for which an application for a United States Patent was executed on Sept 7, 2010, and of Balmain, New South Wales, Australia herein referred to Whereas, Sliverbrook Research Pty Ltd "assignee" whose post office address is \_ 393 Darling Street , Balmain , New South Wales , 2041 sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. Executed this day of 8 Fitzwilliam Square East, Dublin 2 SS: State of County of Before me personally appeared said and acknowledged the foregoing instrument to be his free act and deed this , 20 day of Seal (Notary Public)

ASSIGNMENT OF APPLICATION	Docket Number (Optional) MMJ018US				
Whereas, I, Emma Rose Kerr of	Fitzwilliam Square Ea	ast, Dublin 2, hereafter			
	referred to as applicant, have invented certain new and useful improvements in				
for which an application for a United States Pate Application Number	•				
for which an application for a United States Pate	ent was executed on 🗅	sept 7,2010, and			
Whereas, Silverbrook Research Pty Ltd of Bal	main, New South Wales	, Australia herein referred to			
"assignee" whose post office address is 393 Darling St	treet , Balmain , New S	South Wales , 2041 is de-			
sirous of acquiring the entire right, title and interest in th	e same;				
Now, therefore, in consideration of the sum of <u>one</u>	dollars (\$1.00	_), the receipt whereof is ac-			
knowledged, and other good and valuable consideration	n, I, the applicant, by th	nese presents do sell, assign			
and transfer unto said assignee the full and exclusive rig	ght to the said invention	n in the United States and the			
entire right, title and interest in and to any and all Patents	which may be granted	therefor in the United States,			
I hereby authorize and request the Commissioner of Pa	atents and Trademark	s to issue said United States			
Patent to said assignee, of the entire right, title, and inter	rest in and to the same	a, for his sole use and behoof;			
and for the use and behoof of his legal representatives,	to the full end of the te	rm for which said Patent may			
be granted, as fully and entirely as the same would have	been held by me had	this assignment and sale not			
been made.					
Executed thisday of	09	, 20(\bigcirc			
at 8 Fitzwilliam Square East, Dublin 2					
	Emma	Keer			
State of		Signature)			
Seal _	(N	otary Public)			

ASSIGNMENT OF APPLICAT	ASSIGNMENT OF APPLICATION	
Whereas, I, Rónán Pádraig Seán O'Reilly of	8 Fitzwilliam Square Ea	ast, Dublin 2, hereafte
referred to as applicant, have invented certain new and METHOD OF CONTROLLING DROP DIRECTIONALITY FROM INDEPENDENTLY-ACTUABLE ROOF PADDLES	d useful improvements i	n
for which an application for a United States Pat Application Number	tent was filed on	
for which an application for a United States Par		apt 7,2010, and
Whereas, Silverbrook Research Pty Ltd of Be	almain, New South Wales	, Australia herein referred t
"assignee" whose post office address is 393 Darling S	Street , Balmain , New S	South Wales , 2041 is de
sirous of acquiring the entire right, title and interest in t	he same;	
Now, therefore, in consideration of the sum of one	dollars (\$1.00	_), the receipt whereof is ac
knowledged, and other good and valuable consideration	on, I, the applicant, by th	ese presents do sell, lassign
and transfer unto said assignee the full and exclusive ri		_
entire right, title and interest in and to any and all Patent		
I hereby authorize and request the Commissioner of F		
Patent to said assignee, of the entire right, title, and inte		
and for the use and behoof of his legal representatives.		
be granted, as fully and entirely as the same would hav		•
been made.	e been neid by me nad	una assignment and sale no
Executed this day of	09	20 / <i>O</i>
at 8 Fitzwilliam Square East, Dublin 2		, 20,
at Officermian oqualo cast, busin 2		<u></u> *
_	Korin Mule	
State of	•	Signature) 
Seal -	(Ne	otary Public)

## PTO/SB/15 (8-96) Approved for use through 9/30/98. OMB 0651-0027 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Docket Number (Optional) ASSIGNMENT OF APPLICATION **MMJ018US** 8 Fitzwilliam Square East, Dublin 2 Whereas. I. Vincent Patrick Lawlor , hereafter referred to as applicant, have invented certain new and useful improvements in METHOD OF CONTROLLING DROP DIRECTIONALITY FROM INKJET NOZZLE USING MULTIPLE INDEPENDENTLY-ACTUABLE ROOF PADDLES for which an application for a United States Patent was filed on Application Number\_\_\_\_\_ for which an application for a United States Patent was executed on Sept 7, 2010, and of Balmain, New South Wales, Australia herein referred to Whereas, Silverbrook Research Pty Ltd "assignee" whose post office address is \_ 393 Darling Street , Baimain , New South Wales , 2041 sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I, the applicant, by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I hereby authorize and request the Commissioner of Patents and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. Executed this 8 Fitzwilliam Square East, Dublin 2 Vorb Laubr State of County of Before me personally appeared said and acknowledged the foregoing instrument to be his free act and deed this , 20

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

Seal

PATENT REEL: 026455 FRAME: 0607

(Notary Public)

	ASSIGNMENT O	FAPPLICATI	ON	MMJ018US
Whereas, I, Mis	ty Bagnat	of	Fitzwilliam Squar	re East, Dublin 2
referred to as app	plicant, have invented ROLLING DROP DIRECT ACTUABLE ROOF PADDL	certain new and	useful improveme	ents in
for which	an application for a U	nited States Pate	ent was filed on	
				on Sept 7, 2010, and
Whereas, Sliverb	rook Research Pty Ltd	of Bal	lmain, New South W	/ales, Australia herein referred t
"assignee" whose	post office address is	393 Darling S	treet , Balmain , N	ew South Wales , 2041 is de
sirous of acquirin	g the entire right, title	and interest in th	ne same;	
Now, therefore, ir	n consideration of the	sum of one	dollars (\$1.00	), the receipt whereof is ac
knowledged, and	other good and valua	ble consideratio	n, I, the applicant,	by these presents do sell, assig
				ntion in the United States and th
				nted therefor in the United State
				narks to issue said United State
-	•			ame, for his sole use and behoo
				e term for which said Patent ma
				had this assignment and sale no
been made.			,	
Executed this	07-	day of	09	, 20_ <i>(</i> 0,
	Square East, Dublin 2			,
			Mrkagr	48
and acknowledge	SS:  onally appeared said _ ed the foregoing instrun		e act and deed this	(Signature)
day of	, 20			
Seal				(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

ASSIGNMENT OF	ASSIGNMENT OF APPLICATION	
AGGIGIANETT OF A	ALL LICATION	MMJ019US
Whereas, I, Gregory John McAvoy	8 Fitzwilliam Square I	East, Dublin 2 , hereafter
referred to as applicant, have invented comETHOD OF COMPENSATING FOR		
for which an application for a Unit Application Number	ed States Patent was filed on	
	ted States Patent was executed on	Sept 7, 2010, and
Whereas, Silverbrook Research Pty Ltd	of Balmain, New South Wale	es, Australia herein referred to
"assignee" whose post office address is _	393 Darling Street , Balmain , New	v South Wales , 2041 is de-
sirous of acquiring the entire right, title ar	nd interest in the same;	
Now, therefore, in consideration of the su	m of <u>one</u> dollars (\$ <u>1.00</u>	), the receipt whereof is ac-
knowledged, and other good and valuable	e consideration, I, the applicant, by	these presents do sell, assign
and transfer unto said assignee the full ar	nd exclusive right to the said inventi	on in the United States and the
entire right, title and interest in and to any	and all Patents which may be grante	ed therefor in the United States,
I hereby authorize and request the Comr	nissioner of Patents and Trademar	rks to issue said United States
Patent to said assignee, of the entire right	t, title, and interest in and to the sam	ne, for his sole use and behoof;
and for the use and behoof of his legal rep	presentatives, to the full end of the t	term for which said Patent may
be granted, as fully and entirely as the sar	me would have been held by me ha	d this assignment and sale not
been made.		
Executed this	day of 09	,20 <i>(</i> 0,
at 8 Fitzwilliam Square East, Dublin 2		
	120	w) ' C
State of	nt to be his free act and deed this _	(Signature)
Seal	<del></del>	Neton Bublis
Joan	(	Notary Public)

ASSIGNMENT OF APPLICATION		Docket Number (Optional) MMJ019US	
Whereas, I, Emma Rose Kerr of _	8 Fitzwilliam Square Ea	ast, Dublin 2	
referred to as applicant, have invented certain new and METHOD OF COMPENSATING FOR DEAD NOZ	d useful improvements	in	
for which an application for a United States Par Application Number	tent was filed on	······································	
for which an application for a United States Pa		Sept 7,2010, and	
Whereas, Silverbrook Research Pty Ltd of Box	almain, New South Wales	, Australia herein referred to	
"assignee" whose post office address is <u>393 Darling S</u>	Street , Balmain , New :	South Wales , 2041 is de-	
sirous of acquiring the entire right, title and interest in	the same;		
Now, therefore, in consideration of the sum of <u>one</u>	dollars (\$1.00	_), the receipt whereof is ac-	
knowledged, and other good and valuable consideration	on, I, the applicant, by th	nese presents do sell, assign	
and transfer unto said assignee the full and exclusive r	ight to the said invention	n in the United States and the	
entire right, title and interest in and to any and all Paten	ts which may be granted	therefor in the United States,	
I hereby authorize and request the Commissioner of F	Patents and Trademark	s to issue said United States	
Patent to said assignee, of the entire right, title, and int	erest in and to the same	, for his sole use and behoof;	
and for the use and behoof of his legal representatives	s, to the full end of the te	rm for which said Patent may	
be granted, as fully and entirely as the same would hav	ve been held by me had	this assignment and sale not	
been made.			
Executed this day of	<i>୦</i> ବ	, 20 <i>(</i> Ò,	
at8 Fitzwilliam Square East, Dublin 2			
	Emma	lle -	
State of		Signature)	
Seal	(N	otary Public)	

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

ASSIGNMENT OF APPLICATION		Docket Number (Optional)		
-		All bion.		MMJ019US
Whereas, I, Rón	án Pádraig Seán O'Ro	ailly of	3 Fitzwilliam Squa	re East, Dublin 2 , hereaft
	olicant, have invented o			
			•	NARY PAGEWIDTH PRINTHI
for which Application	an application for a Un	ited States Pate	ent was filed on	
				on <u>Sept 7,2010</u> , and
Whereas, Silverbr	ook Research Pty Ltd	of_Ba	lmain, New South V	Vales, Australia herein referred
"assignee" whose	post office address is	393 Darling S	treet , Balmain , N	New South Wales , 2041 is o
sirous of acquiring	g the entire right, title a	and interest in th	ne same;	
Now, therefore, in	consideration of the s	um of one	dollars (\$ 1.0	00), the receipt whereof is a
				, by these presents do sell, assi
				ention in the United States and
	-			anted therefor in the United State
				marks to issue said United State
•				same, for his sole use and beho
	-			
	_			he term for which said Patent ma
be granted, as tul	ly and entirely as the s	ame would have	e been held by me	e had this assignment and sale n
been made.	All trans			
Executed this	0+	day of	09	, 20 <u>(°</u> ,
at 8 Fitzwilliam S	Square East, Dublin 2	······································		
			stoñen 1	Mil
	00		FEARIN I	(Signature)
State of				(=)
Before me perso	onally appeared said			
	ed the foregoing instrum, 20	ent to be his tre	e act and deed this	3
Seal		-		(Notary Public)

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademerk Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

ASSIGNMENT OF APPLICATION		Docket Number (Optional)  MMJ019US
		WINDOIDEC
Whereas, I, Vincent Patrick Lawlor of	8 Fitzwilliam Sc	juare East, Dublin 2 , hereaf
referred to as applicant, have invented certain new ar METHOD OF COMPENSATING FOR DEAD NOZ	nd useful improve	ements in
for which an application for a United States Pa Application Number	atent was filed on	,
for which an application for a United States Pa	atent was execut	ed on Sept 7,2010, and
Whereas, Silverbrook Research Pty Ltd of E	Balmain, New Sou	th Wales, Australia herein referred
"assignee" whose post office address is 393 Darling	Street , Baimain	, New South Wales , 2041 is o
sirous of acquiring the entire right, title and interest in	the same;	
Now, therefore, in consideration of the sum of one	dollars (\$	1.00 ), the receipt whereof is a
knowledged, and other good and valuable considerat	ion, I, the applica	unt, by these presents do sell, assi
and transfer unto said assignee the full and exclusive	right to the said i	nvention in the United States and t
entire right, title and interest in and to any and all Pater	nts which may be	granted therefor in the United State
I hereby authorize and request the Commissioner of	Patents and Tra	demarks to issue said United State
Patent to said assignee, of the entire right, title, and in	terest in and to th	ne same, for his sole use and beho
and for the use and behoof of his legal representatives	s, to the full end o	of the term for which said Patent ma
be granted, as fully and entirely as the same would ha	ive been held by	me had this assignment and sale n
been made.		
Executed thisday of	09	,20 <u></u> _(O,
at8 Fitzwilliam Square East, Dublin 2		·
	Visit	(Signature)
State of		

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademerk Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

ASSIGNMENT OF APPLICATION		Docket Number (Optional) MMJ019US	
Whereas, I, Misty Bagnat	8 Fitzwilliam Square Ea of	ast, Dublin 2 , hereafter	
referred to as applicant, have invented certain new METHOD OF COMPENSATING FOR DEAD N	v and useful improvements i	in	
for which an application for a United States Application Number	s Patent was filed on		
for which an application for a United State	s Patent was executed on	Sept 7,2010, and	
Whereas, Silverbrook Research Pty Ltd	of Balmain, New South Wales	, Australia herein referred to	
"assignee" whose post office address is 393 Dari	ing Street , Balmain , New S	South Wales , 2041 is de-	
sirous of acquiring the entire right, title and interes	st in the same;		
Now, therefore, in consideration of the sum of on	edollars (\$1.00	_), the receipt whereof is ac-	
knowledged, and other good and valuable conside	eration, I, the applicant, by th	nese presents do sell, assign	
and transfer unto said assignee the full and exclus	ive right to the said invention	n in the United States and the	
entire right, title and interest in and to any and all Pa	atents which may be granted	I therefor in the United States,	
I hereby authorize and request the Commissioner	r of Patents and Trademark	s to issue said United States	
Patent to said assignee, of the entire right, title, and	d interest in and to the same	, for his sole use and behoof;	
and for the use and behoof of his legal representat	tives, to the full end of the te	rm for which said Patent may	
be granted, as fully and entirely as the same would	d have been held by me had	this assignment and sale not	
been made.			
Executed this day of	09	,20_ <i>_[O</i> ,	
at_ 8 Fitzwilliam Square East, Dublin 2			
	Misagnas	COMMON CO	
State of	ì	Signature)	
Seal	(N	otary Public)	

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Officer, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

ASSIGNMENT OF APPLICATION	Docket Number (Optional)
ACCIONNENT OF ALL EIGHTON	MMJ020US
Whereas, I, _Gregory John McAvoy of	villiam Square East, Dublin 2 , hereafte
referred to as applicant, have invented certain new and useful METHOD OF PRINTING AT DOT DENSITY EXCEEDING NOZZLE D	
for which an application for a United States Patent wa Application Number	s filed on,
for which an application for a United States Patent wa	
Whereas, Sliverbrook Research Pty Ltd Of Balmain,	New South Wales, Australia herein referred
"assignee" whose post office address is 393 Darling Street,	Balmain , New South Wales , 2041 is de
sirous of acquiring the entire right, title and interest in the san	ne;
Now, therefore, in consideration of the sum of <u>one</u> dol	llars (\$1.00), the receipt whereof is ac
knowledged, and other good and valuable consideration, I, th	e applicant, by these presents do sell,assig
and transfer unto said assignee the full and exclusive right to	the said invention in the United States and th
entire right, title and interest in and to any and all Patents whic	h may be granted therefor in the United State
I hereby authorize and request the Commissioner of Patents	and Trademarks to issue said United State
Patent to said assignee, of the entire right, title, and interest in	and to the same, for his sole use and behoo
and for the use and behoof of his legal representatives, to the	full end of the term for which said Patent ma
be granted, as fully and entirely as the same would have beer	n held by me had this assignment and sale no
been made.	
Executed this day of	<u>09</u> ,20 <u>(0</u> ,
at8 Fitzwilliam Square East, Dublin 2	·
	1 Ma
State of	(Signature)
Seal	(Notary Public)

ASSIGNMENT OF APPLICATION		Docket Number (Optional) MMJ020US	
Whereas, I, Emma Rose Kerr	8 Fitzwilliam Square Ea	ast, Dublin 2 , hereafter	
referred to as applicant, have invented certain new METHOD OF PRINTING AT DOT DENSITY EXCEEDING	v and useful improvements i	n	
for which an application for a United States Application Number	s Patent was filed on		
for which an application for a United State		Sept 7,2010, and	
Whereas, Silverbrook Research Pty Ltd	of Balmain, New South Wales	, Australia herein referred to	
"assignee" whose post office address is <u>393 Dari</u>	ing Street , Balmain , New S	South Wales , 2041 is de-	
sirous of acquiring the entire right, title and interes	et in the same;		
Now, therefore, in consideration of the sum of on	e dollars (\$1.00	_), the receipt whereof is ac-	
knowledged, and other good and valuable conside	eration, I, the applicant, by th	nese presents do sell, assign	
and transfer unto said assignee the full and exclus	ive right to the said invention	n in the United States and the	
entire right, title and interest in and to any and all Pe	atents which may be granted	therefor in the United States,	
I hereby authorize and request the Commissioner	of Patents and Trademark	s to issue said United States	
Patent to said assignee, of the entire right, title, and	d interest in and to the same	, for his sole use and behoof;	
and for the use and behoof of his legal representat	tives, to the full end of the te	rm for which said Patent may	
be granted, as fully and entirely as the same would	d have been held by me had	this assignment and sale not	
been made.			
Executed this day of	09	, 20 <u>/</u> ට,	
at 8 Fitzwilliam Square East, Dublin 2			
	Emme	llew	
State of	,	Signature)	
Seal	(N	otary Public)	

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

ASSIGNMENT OF APPLICATION		Docket Number (Optional) MMJ020US	
Whereas, I, Rónán Pádraig Seán O'Reilly of	Fitzwilliam Square Ea	ast, Dublin 2 , hereafter	
referred to as applicant, have invented certain new and METHOD OF PRINTING AT DOT DENSITY EXCEEDING NOZ	useful improvements i	n	
for which an application for a United States Pate Application Number	ont was filed on	··································	
for which an application for a United States Pate		Sept 7,201 Pand	
Whereas, Silverbrook Research Pty Ltd Of Ball	main, New South Wales,	, Australia herein referred to	
"assignee" whose post office address is 393 Darling St	reet , Balmain , New S	South Wales , 2041 ls de-	
sirous of acquiring the entire right, title and interest in th	e same;		
Now, therefore, in consideration of the sum of _one	dollars (\$1.00	_), the receipt whereof is ac-	
knowledged, and other good and valuable consideration	n, I, the applicant, by th	ese presents do sell, assign	
and transfer unto said assignee the full and exclusive rig	tht to the said invention	in the United States and the	
entire right, title and interest in and to any and all Patents			
I hereby authorize and request the Commissioner of Pa	atents and Trademarks	s to issue said United States	
Patent to said assignee, of the entire right, title, and inter	rest in and to the same	, for his sole use and behoof;	
and for the use and behoof of his legal representatives, t	to the full end of the ter	m for which said Patent may	
be granted, as fully and entirely as the same would have		-	
been made.		-	
Executed this day of	09	, 20_ <i>_/o</i> ,	
at 8 Fitzwiiliam Square East, Dublin 2			
	Nonim de	Lula	
State of	\ -	Signature)	

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

ASSIGNMENT OF APPLICATION		Docket Number (Optional)	
		MMJ020US	
Whereas, I, Vincent Patrick Lawlor of	8 Fitzwilliam Square Ea	ast, Dublin 2 , hereafter	
referred to as applicant, have invented certain new an METHOD OF PRINTING AT DOT DENSITY EXCEEDING N			
for which an application for a United States Pa Application Number	atent was filed on	··	
for which an application for a United States P		ept 7, 2010, and	
Whereas, Silverbrook Research Pty Ltd of	Balmain, New South Wales	, Australia herein referred to	
"assignee" whose post office address is 393 Darling	Street , Balmain , New S	South Wales , 2041 is de-	
sirous of acquiring the entire right, title and interest in	the same;		
Now, therefore, in consideration of the sum of one	dollars (\$1.00	_), the receipt whereof is ac-	
knowledged, and other good and valuable consideral	tion, I, the applicant, by th	ese presents do sell, assign	
and transfer unto said assignee the full and exclusive	right to the said inventior	n in the United States and the	
entire right, title and interest in and to any and all Pate	nts which may be granted	therefor in the United States,	
I hereby authorize and request the Commissioner of	Patents and Trademarks	s to issue sald United States	
Patent to said assignee, of the entire right, title, and in	nterest in and to the same	, for his sole use and behoof;	
and for the use and behoof of his legal representative	s, to the full end of the ter	rm for which said Patent may	
be granted, as fully and entirely as the same would ha	ave been held by me had	this assignment and sale not	
been made.			
Executed this day of	०९	, 20_ <i>(O</i> ,	
at8 Fitzwilliam Square East, Dublin 2		•	
	Visali tem	lur	
State of		Signature)	
Seal	(No	otary Public)	

Burden Hour Statement: This form is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are regulred to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.

ASSIGNMENT OF APPLICATION		Docket Number (Optional)			
•	ACCIONILITY OF AFFLICATION		MMJ020US		
Whereas, I, Mist	y Bagnat	of	8 Fitzwilliam Square East, Dublin 2		
	licant, have invented of TING AT DOT DENSITY			nts in ATIONARY PAGEWIDTH PRINTHE/	
for which a	an application for a Ur n Number	nited States Pate	ent was filed on		
				Sept 7,2010, and	
Whereas, Silverbro	ook Research Pty Ltd	of <u>Bal</u>	main, New South Wa	iles, Australia herein referred to	
"assignee" whose	post office address is	393 Darling S	reet , Balmain , Ne	w South Wales , 2041 is de-	
sirous of acquiring	the entire right, title a	and interest in th	e same;		
Now, therefore, in	consideration of the s	sum of one	dollars (\$1.00	), the receipt whereof is ac-	
knowledged, and	other good and valual	ole consideration	n, I, the applicant, b	y these presents do sell, assign	
and transfer unto	said assignee the full a	and exclusive rig	to the said inven	tion in the United States and the	
entire right, title an	d interest in and to an	y and all Patents	which may be gran	ted therefor in the United States	
I hereby authorize	and request the Con	nmissioner of Pa	atents and Tradema	arks to issue said United States	
Patent to said assi	ignee, of the entire rig	ht, title, and inte	rest in and to the sa	me, for his sole use and behoof;	
and for the use an	d behoof of his legal r	epresentatives,	to the full end of the	term for which said Patent may	
be granted, as full	y and entirely as the s	ame would have	been held by me h	ad this assignment and sale not	
been made.					
Executed this	07	day of	09	, 20 <u>/</u> 0,	
at 8 Fitzwilliam S	quare East, Dublin 2		······································	•	
			MKROOM	A service and the service services to	
		ent to be his free	act and deed this	(Signature)	
Seal	,	_			
Oddi			(Notary Public)		

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