Pocket No.: A299-USA 09-09-2002 FORM PTO-1595 (Modified) U.S. DEPARTMENT OF COMMERCE RE (Rev 03-01) Patent and Trademark Office OMB No. 0651-0027 (exp.5/31/2002) SEP 0 3 2002 P08/REV03 Tab settings → → 102215808 To the Honorable Commis atents ఓ ease record the attached original documents or copy thereof. Name of conveying party(ies): Name and address of receiving party(ies): Douglas Kerns Gregory Jay DelMain Andrew Barber John Gord Name: Alfred E. Mann Foundation for Paul De Rocco Lawrence J. Karr Internal Address: Scientific Research Glenn A. DeMichele ☐ Yes 🗵 No Additional names(s) of conveying party(ies) 3. Nature of conveyance: Street Address: P.O. Box 905 Assignment Merger Change of Name ☐ Security Agreement City: Santa Clarita State: CA ZIP: 91380 ☐ Other Execution Date: July 24, 25, 26, 29, 2002 & Aug. 9, 2002 Application number(s) or patent numbers(s): If this document is being filed together with a new application, the execution date of the application is: B. Patent No.(s) A. Patent Application No.(s) 10/205,862 Additional numbers attached? 

Yes 

No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Lee Jay Mandell 7. Total fee (37 CFR 3.41):....\$ 40.00 Internal Address: Enclosed - Any excess or insufficiency should be credited or debited to deposit account Authorized to be charged to deposit account 8. Deposit account number: Street Address: P.O. Box 905 50-0692 (Attach duplicate copy of this page if paying by deposit accurnt) City: Santa Clarita 7IP 91380 State: CA DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a trae cap of the original document. August 28, 2002 Lee J. Mandell, 37,176 Date Name of Person Signing Total number of pages including cover sheet, attachments, and document: Mail documents to be recorded with required cover sheet information to:

## **ASSIGNMENT OF APPLICATION**

Docket Number (Optional) A299-USA

Whereas I Gregory Jay DelMain	of Maple Grove, Minnesota, hereafter
	new and useful improvements in RAM DATA ARRAY
CONFIGURED TO PROVIDE DATA-INDEPENDEN	
CONFIGURED TO FROVIDE DATA-INDEFENDEN	1, WRITE CTCLE COMERCIAL CORRENT DRAIN
Application Number/	States Patent was filed on
	'
Alfred E. Mann Foundation for Whereas, Scientific Research	of Santa Clarita. California herein referred to
"assignee" whose post office address is	P.O. Box 905. Santa Clarita, California 91380-9005 is de-
sirous of acquiring the entire right, title and int	erest in the same;
Now, therefore, in consideration of the sum of	one dollars (\$ 1.00 ),
the receipt whereof is acknowledged, and oth	er good and valuable consideration, I, the applicant, by these
presents do sell, assign and transfer unto said	d assignee the full and exclusive right to the said invention in
the United States and the entire right, title and	d interest in and to any and all Patents which may be granted
therefor in the United States, I hereby a	authorize and request the Commissioner of Patents and
Trademarks to issue said United States Pater	nt 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	e granted, as fully and entirely as the same would have been
held by me had this assignment and sale not	been made.
Executed this 24 da	ay of, 2002
	, <u>2002</u> ,
at Valencia California	<del>.</del>
,	M. say of DrefM in
State of California SS:	Signature)  Rei Del Maen
County of BOS Angeles	Les Dala Mara
Before me personally appeared said acknowledged the foregoing instrument to be	<del></del>
day of CARRIEM. HALL	
Seal Commission # 13010	min }
Los Angeles Count	(Notary Public)

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ASSIGNMENT OF APPLICATION	Docket Number (Optional) A299-USA	
Whereas, I, John Gord of Venice. California	, hereafter	
referred to as applicant, have invented certain new and useful improvement	s in RAM DATA ARRAY	
CONFIGURED TO PROVIDE DATA-INDEPENDENT. WRITE CYCLE COHERENT CU	JRRENT DRAIN	
for which an application for a United States Patent was filed on		
for which an application for a United States Patent was executed or	$\frac{7/29/02}{}$ , and	
Alfred E. Mann Foundation for Whereas, Scientific Research of Santa Clarita, California	ornia herein referred to	
"assignee" whose post office address is P.o. Box 905. Santa Clarita. Cali	fornia 91380-9005 is de-	
sirous of acquiring the entire right, title and interest in the same;		
Now, therefore, in consideration of the sum of	dollars (\$1.00),	
the receipt whereof is acknowledged, and other good and valuable conside		
presents do sell, assign and transfer unto said assignee the full and exclus	•	
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 C	Commissioner of Patents and	
Trademarks to issue said United States Patent to said assignee, of the entit	re 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 24th day of July at Valencia, California	2002	
L'active d'ay or	1 2002	
at Valencia California	<del></del>	
California Julia	Soy	
State of hos Hageles ss:	(Signature)	
County of		
and acknowledged the foregoing in the rise his tree act and deed this	24th	
day of Contribution # 1301045  Notary Public - California	M. Hall	

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My Comm. Expires Apr 16, 2005

Seal

PATENT REEL: 013256 FRAME: 0114

(Notary Public)

ASSIGNMENT OF APPLICATION		Docket Number (Optional) A299-USA	
Whereas,	L Paul De Rocco	of Pacific Palisades, California	, hereafter
		rtain new and useful improvements	
CONFIGUR	ED TO PROVIDE DATA-INDEPEN	DENT. WRITE CYCLE COHERENT CU	RRENT DRAIN
		red States Patent was filed on red States Patent was executed on	
	Alfred E. Mann Foundation f		
		P.0. Box 905, Santa Clarita. Calif	
sirous of a	cquiring the entire right, title an	d interest in the same;	
Now, there	efore, in consideration of the su	m of one	dollars (\$1.00
the receipt	whereof is acknowledged, and	f other good and valuable consider	ation, I, the applicant, by thes
·	•	said assignee the full and exclusi	•
the United	States and the entire right, title	e and interest in and to any and all	Patents which may be grante
therefor in	n the United States, I hereb	by authorize and request the C	ommissioner of Patents an
Trademark	s to issue said United States F	Patent to said assignee, of the entire	e right, title, and interest in an
to the sam	e, for his sole use and behoof;	and for the use and behoof of his	egal representatives, to the fu
end of the	term for which said Patent ma	by be granted, as fully and entirely	as the same would have bee
held by me	e had this assignment and sale	not been made.	
Executed t	this 25th	day of July	, 2002
at	Valencia, (	A	•
	/	Jan 1)	Do Non -
State of	Californiss:	(	Signature)
County of			
Before me and ackno		to be his free act and deed this	51

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, U. S. Patent and Trademark Office, Washington, DC 20231.

SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.

PATENT REEL: 013256 FRAME: 0115

(Notary Public)

PTO/SB/15 (08-00)
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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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	APPLICATION	Docket Number (Optional) A299-USA
Whereas, I, Lawrence J. Karr	of Sierra Madre, California	hereaft
referred to as applicant, have invented of		
CONFIGURED TO PROVIDE DATA-INDEPE	'	
CONFIGURED TO FROVIDE DATA-INDEFE	ENDENT. WRITE CYCLE COHERENT CO	URRENT DRAIN
for which an application for a Ur Application Number/_	nited States Patent was filed on	
	nited States Patent was executed or	25 July 200 2 and
Whereas,	of Santa Clarita. Calif	ornia herein referred
"assignee" whose post office address is	P.0. Box 905, Santa Clarita, Cali	fornia 91380-9005 is d
sirous of acquiring the entire right, title a	and interest in the same;	
Now, therefore, in consideration of the s	sum ofone	dollars (\$1.00
the receipt whereof is acknowledged, ar	nd other good and valuable conside	ration. I the applicant, by the
presents do sell, assign and transfer un	_	•••
the United States and the entire right, ti		_
therefor in the United States, I here		. •
Trademarks to issue said United States		
	-	
to the same, for his sole use and behoo		
end of the term for which said Patent m		as the same would have be
held by me had this assignment and sale	e not been made.	
Executed this25th	day of July	, 2002
Executed this25th at Valencia. California	day of	, 2002 ,
	day of	<u>2002</u> ,
	James 1/2	Park
	James 1/2	, <u>2002</u> ,
at_Valencia. California  State of California SS: County of Loc Appela	James //	Park
State of California SS: County of Localifornia person to ppeared California and acknowled of the county of California person to ppeared California and acknowled of the county of the county of the california person to ppeared California and acknowled of the california person to ppeared California and acknowled of the california person to ppeared California and acknowled to the california person to ppeared California and acknowled to the california person to the califo	MALL Karr  APRI Mehis Free act and deed this	Park
State of California SS: County of Los Apples Before me pa son disperared CARRIE May and acknowled the county of th	MALL Karr  APO Mis free act and deed this California  County	Park

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PATENT REEL: 013256 FRAME: 0116 07/25/2002 08:54 6617751595

Glenn DeMichele

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PAGE 16/20

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMENCE
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ASSIGNMENT OF APPLICATION		Docket Number (Optional) A299-USA	
Whereas, I, Glenn A. DeMichele	Lincolnshire, Illinois		hereafter
referred to as applicant, have invented certain new a			
CONFIGURED TO PROVIDE DATA-INDEPENDENT, WILL	TE CYCLE COHERENT CO.	RRENT DRAIN	
for which an application for a United States Application Number/	Patent was filed on		
for which an application for a United States		7124/02	, and
Alfred E. Mann Foundation for Whereas, Scientific Research of	Santa Clarita, Califo	mia herein	referred to
"assignee" whose post office address isP.0.	Box 905, Santa Clarita, Califo	omia 91380-9005	is de-
sirous of acquiring the entire right, title and interest	in the same;		
Now, therefore, in consideration of the sum of	onc	dollars (\$,	1.00 },
the receipt whereof is acknowledged, and other god	od and valuable considera	ation, I, the applica	nt, by these
presents do sell, assign and transfer unto said assi	gnee the full and exclusiv	ve right to the said	invention in
the United States and the entire right, title and inter			
therefor in the United States. I hereby authori	ze and request the Co	ommissioner of P	atents and
Trademarks to issue said United States Patent to si	aid assignee, of the entire	e right, title, and int	erest in and
to the same, for his sole use and behoof; and for th	e use and behoof of his le	egal rep <b>resent</b> ative	s, to the full
end of the term for which said Patent may be gran	ted, as fully and entirely	as the same would	have been
held by me had this assignment and sale not been			
Executed this 20th day of	Ylu	2002	
Executed this 26th day of at Lincolnshire	11		•
at LINCOIN) AIRT	$\cdot \land $		<del>_</del>
	Aluak		
State ofSS:  County of)  Before me personally appeared said	(\$	Signature)	
and acknowledged the foregoing instrument to be his fi	ee act and deed this		
Saal	(6)		<del></del>

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, U. S. Patent and Trademark Office, Washington, DC 20231. DD NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Potents and Trademarks, Washington, DC 20231.

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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 A299-USA Whereas | Douglas Kerns Of Sierra Madre, California . hereafter referred to as applicant, have invented certain new and useful improvements in RAM DATA ARRAY CONFIGURED TO PROVIDE DATA-INDEPENDENT, WRITE CYCLE COHERENT CURRENT DRAIN 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 Alfred E. Mann Foundation for Whereas, Scientific Research of Santa Clarita, California herein referred to "assignee" whose post office address is P.O. Box 905, Santa Clarita, California 91380-9005 sirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of \_\_\_\_ \_\_\_\_ doilars (\$\_\_\_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. 20

Executed this	day of	2002
at Stewn Madre	CA	
	Dal	12
State of California SS:		Signature)

County of Los avalla

Before me personally appeared said DOUGIAS

and acknowledged the foregoing instrument to be his free act and deed this day of Thirty 2002

Seal

(Notary Public)

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



## **ASSIGNMENT OF APPLICATION**

Docket Number (Optional) A299-USA

Mile and the Andrew Borber	at Los Angeles Colifornia	
Whereas, I, Andrew Barber		
referred to as applicant, have invented certain	•	AKKAT
CONFIGURED TO PROVIDE DATA-INDEPENDENT	, WRITE CYCLE COHERENT CORRENT DRAIN	
for which an application for a United St Application Number / / for which an application for a United St		
Alfred E. Mann Foundation for Whereas, Scientific Research		
"assignee" whose post office address is	P.O. Box 905, Santa Clarita, California 91380-9005	is de-
sirous of acquiring the entire right, title and inte	erest in the same;	
Now, therefore, in consideration of the sum of	one dollars	(\$1.00),
the United States and the entire right, title and therefor in the United States, I hereby at Trademarks to issue said United States Patent to the same, for his sole use and behoof; and the end of the term for which said Patent may be held by me had this assignment and sale not be	interest in and to any and all Patents which multiplication and request the Commissioner of the said assignee, of the entire right, title, and if for the use and behoof of his legal representating granted, as fully and entirely as the same would be the same would	ay be granted Patents and nterest in and ves, to the full
Executed this day at Ven e, CA .	of August, 2002	,
State of	(Signature)  his free act and deed this	-
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, U. S. Patent and Trademark Office, Washington, DC 20231.

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PATENT RECORDED: 09/03/2002 REEL: 013256 FRAME: 0119