FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

07-01-2004



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Name (line 1)	Peter J. Hopper			6/1/04
Name (line 2)				1
Second Party				Execution Date Month Day Yea
Name (line 1)	Philipp Lindorfer			6/2/04
Name (line 2)				16-21-04
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> **PATENT** REEL: 015510 FRAME: 0965

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Correspondent Name and Address	ess Area Code and Telephone Numb	er 408-667 1289	
Name Jurgen Vollrath			
Address (line 1) 588 Sutter Street #53	31		
Address (line 2) San Francisco, CA			
Address (line 3) 94102			
Address (line 4)			
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signed by the first named executing inventor.			
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Statement and Signature			
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.			
TURGEN VOLUER Name of Person Signing	4711 Mallant	6/21/04	
Name of Person Signing	Signature	Date '	

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Conveying Par	mark it additional flames of conveying parties attached	Execution Date
Enter additional Co		Month Day Year
Name (line 1)	adislav Vashchenko	6/1/04
Name (line 2)		,
<u> </u>		Execution Date Month Day Year
Name (line 1) Yu	ri Mirgorodski	6/1/04
Name (line 2)		, ,
· · · ·		Execution Date Month Day Year
Name (line 1)		
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Name (line 1)		If document to be recorded
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A -1 -1		States, an appointment of a domestic representative is
Address (line 1)		attached. (Designation must be a separate document from
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	City State/Country Zip C	ode
	Imber(s) or Patent Number(s) Mark if additional numbers attached Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the sa	ma proporti
	ent Application Number(s) Patent Number	
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ASSIGNMENT OF APPLICATION		NT OF APPLICATION Docket Number (Optional) Po 5970	
Whereas, I, Peter J. Hopper	of National Semicond	uctor , hereafter	
referred to as applicant, have invented certain ne	ew and useful improvements	in	
REDUCING CROSS DIE VARIABILITY IN AN EEPR	OM ARRAY		
for which an application for a United State Application Number/ for which an application for a United State	·		
Whereas, National Semiconductor 2900 Semicor assignee" whose mailing address is 95051-8090	nductor Dr., Mail Stop D3-579,	Santa Clara, CA is de-	
sirous of acquiring the entire right, title and interes	est in the same;		
Now, therefore, in consideration of the sum of te	ndollars (\$_10.00_	_), the receipt whereof is ac-	
knowledged, and other good and valuable considerations			
and transfer unto said assignee the full and exclu	usive right to the said inventio	n in the United States and the	
entire right, title and interest in and to any and all	Patents which may be granted	d therefor in the United States,	
I hereby authorize and request the Commission	er of Patents and Trademark	s to issue said United States	
Patent to said assignee, of the entire right, title, a	and interest in and to the same	e, for his sole use and behoof;	
and for the use and behoof of his legal represent	tatives, to the full end of the te	erm for which said Patent may	
be granted, as fully and entirely as the same wou	uld have been held by me had	I this assignment and sale not	
been made.			
Executed thisday	of	,2004,	
at Santa Clara Coun	fu -		
	1 (1)	<u> </u>	
State of a Toruca SS: County of Sanda Class Before me personally appeared said acknowledged the foregoing instrument to be day of Son Research	V J. Hoppa	(Signature)	
The state of the s	Kana	L. Mill	
Seal		Notary Public)	

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ASSIGNMENT OF A	PPLICATION	Po 5 9 7 0
Phillips 1 in depter	N # 40 -	
Whereas, I, Philipp Lindorfer		
referred to as applicant, have invented cer	tain new and useful improvements	s in
REDUCING CROSS DIE VARIABILITY IN AN	EEPROM ARRAY	
for which an application for a Unite Application Number/ for which an application for a Unite	•	
Whereas, National Semiconductor		
"assignee" whose mailing address is 95051-	8090	is de-
sirous of acquiring the entire right, title and	d interest in the same;	
Now, therefore, in consideration of the sum	n of tendollars (\$10.00), 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	d exclusive right to the said inventi	on in the United States and the
entire right, title and interest in and to any a	nd all Patents which may be grante	ed therefor in the United States,
I hereby authorize and request the Comm	issioner of Patents and Tradema	rks to issue said United States
Patent to said assignee, of the entire right,	title, and interest in and to the san	ne, for his sole use and behoof;
and for the use and behoof of his legal rep	resentatives, to the full end of the t	term for which said Patent may
be granted, as fully and entirely as the sam	ne would have been held by me ha	d this assignment and sale not
been made.		
Executed this 2 d	_day of	, 20 04
at Sola Chara Co	1	
	X 20 1 - (-	*
State of Cal. Fornia SS: County of Santa Class Before me personally appeared said and acknowledged the foregoing instrumen	hilipp Lindorfer t to be his free act and deed this	(Signature)
day of TUNE, 20 04.	1/	7 () 4

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PATENT

(Notary Public)

REEL: 015510 FRAME: 0969

Docket Number (Optional)

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ASSIGNMENT OF APPLICATION

ASSIGNMENT OF APPLICATION	P05970
Whereas, I, Vladislav Vashchenko of National Semicond	luctor bereatter
referred to as applicant, have invented certain new and useful improvements REDUCING CROSS DIE VARIABILITY IN AN EEPROM ARRAY	in
REDUCING CROSS DIE VARIABILITI IIV AIN BEFROW ARRA I	
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 _	, and
Whereas, National Semiconductor of 2900 Semiconductor Dr., Mail Stop D3-579, Stopping and the semiconductor Dr., Mail Stop D3-579, Stopping and the semiconductor Dr., Mail Stop D3-579, Stopping and the semiconductor Dr.	herein referred to
2900 Semiconductor Dr., Mail Stop D3-579, 9 "assignee" whose mailing address is <u>95051-8090</u>	Santa Clara, CA is de-
sirous of acquiring the entire right, title and interest in the same;	
Now, therefore, in consideration of the sum of ten dollars (\$\frac{10.00}{}}), the receipt whereof is ac-
knowledged, and other good and valuable consideration, i, the applicant, by the	hese presents do sell, assign
and transfer unto said assignee the full and exclusive right to the said inventio	n in the United States and the
entire right, title and interest in and to any and all Patents 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 interest 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	orm for which said Patent may
be granted, as fully and entirely as the same would have been held by me had	I this assignment and sale not
been made.	
executed this 1st day of June at Santa Clara County	,20 <u>0</u> 9,
at Santa Clara Country	
O	
State of California SS:	(Signature)
Before me personally appeared said Vadislau Vashchent	73
and acknowledged the foregoing instrument to be his free act and deed this 15	
day of JUNE, 2004.	A hat
Seal (N	Notary Public)

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Docket Number (Optional)

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ASSIGNMENT OF APPLICATION

ASSIGNMENT OF APP	LICATION	P05970
Whereas, I, Yuri Mirgorodski	of National Semicondo	ictor, hereafter
referred to as applicant, have invented certain	new and useful improvements i	n
REDUCING CROSS DIE VARIABILITY IN AN EE	PROM ARRAY	
for which an application for a United St Application Number// X for which an application for a United St		•
Whereas, National Semiconductor 2900 Semi-	of	herein referred to
2900 Semi "assignee" whose mailing address is <u>95051-809</u>	conductor Dr., Mail Stop D3-579, S	santa Clara, CA is de-
sirous of acquiring the entire right, title and into	erest in the same;	
Now, therefore, in consideration of the sum of	tendollars (\$10.00	_), the receipt whereof is ac-
knowledged, and other good and valuable con	sideration, I, the applicant, by th	ese presents do sell, assign
and transfer unto said assignee the full and ex	clusive right to the said invention	n in the United States and the
entire right, title and interest in and to any and a	ll Patents which may be granted	therefor in the United States,
I hereby authorize and request the Commission	oner 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	, for his sole use and behoof;
and for the use and behoof of his legal represe	ntatives, to the full end of the te	rm for which said Patent may
be granted, as fully and entirely as the same w	ould have been held by me had	this assignment and sale not
been made.	(-1 m	
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state of Californica ss:	(8	Signature)
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Before me personally appeared said <u>YU</u> and acknowledged the foregoing instrument to	be his free act and deed this	E
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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. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents and Trademarks, Washington, DC 20231.



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