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

08-13-2002



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RECORDATION FORM COVER SHEET			
PATENTS ONLY	2		
TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(lest). Submission Type Conveyance Type			
X New 08/02/02 X Assignment Security Agreement			
Resubmission (Non-Recordation) Document ID# License Change of Name			
Correction of PTO Error Reel # Frame # Other			
Corrective Document Reel # Frame # Departmental File Secret File			
Conveying Party(ies)	_		
Name (line 1) Vladislav Vashchenko Mark if additional names of conveying parties attached Execution Date Month Day Year 7 / 26/07			
Name (line 2)			
Second Party Execution Date Month Day Year			
Name (line 1) Ann Concannon /0/2/07 7/30/02]		
Name (line 2)			
Receiving Party Mark if additional names of receiving parties attached			
Name (line 1) National Semiconductor Corp If document to be record is an assignment and the			
Name (line 2) receiving party is not domiciled in the United States, an appointment			
Address (line 1) 2900 Semiconductor Drive of a domestic representative is attached (Designation must be a	ed.		
Address (line 2) M/S D3-579 separate document from Assignment.)	3		
Address (line 3) Santa Clara Clty State/Country Zip Code			
Domestic Representative Name and Address Enter for the first Receiving Party only.			
Name]		
Address (line 1)]		
Address (line 2)]		
Address (line 3)]		
Address (line 4)]		
FOR OFFICE USE ONLY			

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Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

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PATENT REEL: 013168 FRAME: 0729

U.S. Department of Commerce **Patent and Trademark Office**

PATENT

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RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office

	PATENTS ONLY	PATENT
Conveying Part	y(ies) Mark if additional names of conveying parties attached	
Enter additional Con	veying Parties	Execution Date Month Day Year
Name (line 1)	Peter J. Hopper	7/30/02
Name (line 2)		}
N	Married day Book	Execution Date Month Day Year
Name (line 1)	Marcel ter Beek	7 /30/02
Name (line 2)		Execution Date
Name (line 1)		Month Day Year
Name (line 2)		.s. 1094
Receiving Party	y(ies) Mark if additional names of receiving partie	s attached
Enter additional Red		65 101
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United States, an appointment
Address (line 1)		of a domestic representative is attached. (Designation must be a separate
Address (line 2)		document from Assignment)
Address (line 3)	City State/Country Zip Code	e
Name (line 1)		If document to be recorded is an assignment and the
Name (line 2)		receiving party is not domiciled in the United States, an appointment of a
Address (line 1)		domestic representative is attached. (Designation must be a separate document from
Address (line 2)		Assignment.)
Address (line 3)	City State/Country Zip C	ode
	mber(s) or Patent Number(s) Mark if additional numbers attached attent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the sa	me property)
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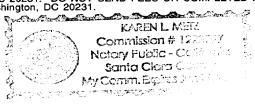
FORM PTC Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspond	ent Name and Address Area Code and Telephone Number	
Name	Jurgen Vollrath	
Address (line 1)	588 Sutter Street #531	
Address (line 2)	San Francisco. CA	
Address (line 3)	94102	
Address (line 4)		
Pages	Enter the total number of pages of the attached conveyance document including any attachments.	# [4
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	is being filed together with a <u>new</u> Patent Application, enter the date the patent application wa st named executing inventor.	s Month Day Year
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	er PCT application number <u>y if</u> a U.S. Application Number _{PCT} PCT	РСТ
	not been assigned.	
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Fee Amount	Fee Amount for Properties Listed (37 CFR 3.41): \$ 40	(
	of Payment: Enclosed X Deposit Account L	
	r payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: #	
	Authorization to charge additional fees: Yes	s No
Statement a	and Signature	
attach	e best of my knowledge and belief, the foregoing information is true and deed copy is a true copy of the original document. Charges to deposit accepted herein.	correct and any ount are authorized, as
1	Turgen Vollrath J. Hollmond e of Person Signing Signature	8/2/02
Name	e of Person Signing Signature	Dáte

Docket Number (Optional)

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thereas, I, Vladislav Vashchenko of National Semicondulatered to as applicant, have invented certain new and useful improvements in OW VOLTAGE COMPLEMENTARY ESD PROTECTION STRUCTURES for which an application for a United States Patent was filed on Application Number / Story which an application for a United States Patent was executed on Structures. Thereas, National Semiconductor of 2900 Semiconductor Dr., Mail Stop D3-579, Stassignee" whose mailing address is 95051-8090 rous of acquiring the entire right, title and interest in the same; ow, therefore, in consideration of the sum of ten dollars (\$10.00 mowledged, and other good and valuable consideration, I, the applicant, by the dollars for the said assignee the full and exclusive right to the said invention	
ferred to as applicant, have invented certain new and useful improvements in OW VOLTAGE COMPLEMENTARY ESD PROTECTION STRUCTURES for which an application for a United States Patent was filed on	
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Application Number	
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nowledged, and other good and valuable consideration, I, the applicant, by the	
	_), the receipt whereof is ac-
	ese presents do sell, assign
	•
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ntire right, title and interest in and to any and all Patents which may be granted	
nereby authorize and request the Commissioner of Patents and Trademarks	s to issue said United States
atent to said assignee, of the entire right, title, and interest in and to the same	, for his sole use and behoof;
nd for the use and behoof of his legal representatives, to the full end of the ter	m for which said Patent may
e granted, as fully and entirely as the same would have been held by me had t	this assignment and sale not
een made. 6 Mm	
xecuted this 27 Fu day of July	, 20 <u>62</u> ,
Santa Clava County	
m	·
State of California SS:	Signature)
County of Santa Clara	_
and acknowledged the foregoing instrument to be his free act and deed this	/ _
day of July , 20 0	with .
Seal 4/MM	of M. L.

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.



PATENT

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ASSIGNMENT OF APPLICATION		ASSIGNMENT OF APPLICATION Docket Number (Optional) POS3//	
Whereas, I, Ann Concannon	of National Semicondo	uctor, hereafte	
referred to as applicant, have invented certal LOW VOLTAGE COMPLEMENTARY ESD PRO		in	
for which an application for a United Application Number/_	States Patent was filed on		
X for which an application for a United		, and	
Whereas National Semiconductor	of	herein referred	
Whereas, National Semiconductor 2900 Se "assignee" whose mailing address is 95051-8	emiconductor Dr., Mail Stop D3-579, § 8090	Santa Clara, CA is de-	
sirous of acquiring the entire right, title and	interest in the same;		
Now, therefore, in consideration of the sum	often dollars (\$10.00	_), the receipt whereof is a	
knowledged, and other good and valuable of	consideration, I, the applicant, by t	hese presents do sell, assig	
and transfer unto said assignee the full and	exclusive right to the said inventio	n in the United States and t	
entire right, title and interest in and to any an	nd all Patents which may be granted	d therefor in the United State	
I hereby authorize and request the Commi	ssioner of Patents and Trademark	s to issue said United State	
Patent to said assignee, of the entire right, t	title, and interest in and to the same	e, for his sole use and beho	
and for the use and behoof of his legal repre	esentatives, to the full end of the te	erm for which said Patent ma	
be granted, as fully and entirely as the same			
been made.			
Executed this _ 30	_day of	, 20 <u>C 2</u> ,	
Executed this 30	remarks		
at Sanda Clava Ct	(0.0	-	
\sim \sim \sim	- Charles	(Signature)	
State of California SS:	A -	(2.8)	
County of Sand Clark Before me personally appeared said	Ann Concanno	7.41	
and acknowledged the foregoing instrument	t to be his free act and deed this	<u> </u>	
day 01 0 - 5 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7	Danen	J. Mil	
Seal		Notary Public)	

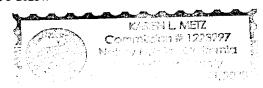
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KAREN L METZ
Commission # 1223997
Notary Fuelic - California
Service Clara County
Asyllia sealing in a long 11,2008

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ASSIGNMENT OF APPLICATION		Po 5 3 / /	
Whereas, I, Peter J. Hopper	of National Semicond	ictor	, hereafter
referred to as applicant, have invented certain ne LOW VOLTAGE COMPLEMENTARY ESD PROTECT		n	
for which an application for a United State Application Number/ for which an application for a United State	•		
National Compiner duston	_ of nductor Dr., Mail Stop D3-579, S		
2900 Semico "assignee" whose mailing address is <u>95051-8090</u>	nductor Dr., Mail Stop D3-579, S	Santa Clara, CA	_ is de-
sirous of acquiring the entire right, title and interest	est in the same;		l
Now, therefore, in consideration of the sum of te	ndollars (\$10.00	_), the receipt whe	reofis ac-
knowledged, and other good and valuable consi	deration, I, the applicant, by th	nese presents do s	ell, assign
and transfer unto said assignee the full and exclu	usive right to the said inventio	n in the United Sta	tes and the
entire right, title and interest in and to any and all	Patents which may be granted	d therefor in the Uni	ted States,
I hereby authorize and request the Commission	er of Patents and Trademark	s to issue said Uni	ted States
Patent to said assignee, of the entire right, title, a	and interest in and to the same	e, for his sole use a	nd behoof;
and for the use and behoof of his legal represent	tatives, to the full end of the te	rm for which said F	Patent may
be granted, as fully and entirely as the same wou	uld have been held by me had	this assignment a	nd sale not
been made.	•	_	
at Santa Clava Count	of July	, ₂₀	 ,
State of California SS: County of School (are) Before me personally appeared said and acknowledged the foregoing instrument to be day of Toy, 2002	Her J. Hoppi	Signature)	Met

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.



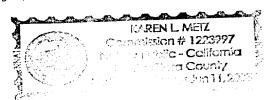
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(Notary Public)

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ASSIGNMENT OF APPLICATION	Docket Number (Optional)
Whereas, I, Marcel ter Beek of National Semicon	nductor, hereafter
referred to as applicant, have invented certain new and useful improvement LOW VOLTAGE COMPLEMENTARY ESD PROTECTION STRUCTURES	
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 or	n, and
Whereas, National Semiconductor ofofof	herein referred to 9, 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 tendollars (\$_10.00), the receipt whereof is ac-
knowledged, and other good and valuable consideration, I, the applicant, b	y these presents do sell, assign
and transfer unto said assignee the full and exclusive right to the said inven	tion in the United States and the
entire right, title and interest in and to any and all Patents which may be gran	ted therefor in the United States,
I hereby authorize and request the Commissioner of Patents and Tradema	arks to issue said United States
Patent to said assignee, of the entire right, title, and interest in and to the sa	me, 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 h	ad this assignment and sale not
been made.	
Executed this 30 f h day of July	, 20 <u> <i>(</i>) 2</u> ,
at Santa Clara Conty	
	all -
State of California SS: County of Gandalian SS: Before me personally appeared said March ter been and acknowledged the foregoing instrument to be his free act and deed this	(Signature)
day of 20.5 .	en I Arily

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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RECORDED: 08/02/2002

PATENT REEL: 013168 FRAME: 0735

(Notary Public)