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

03-20-2002 102024259

U.S. Bepartment of Commerce Patent and Trademark Office

PATENT

## RECORDATION FORM COVER SHEET

Submission <sup>*</sup>	issioner of Patents and Trade Type	Conveyance Typ		
<b>X</b> New	3-4-02	<b>X</b> Assignment	Security Agr	eement
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Conveying P	arty(ies)	✓ Mark if additional i	names of conveying par	rties attached Execution Date Month Day Year
Name (line 1)	Ramsin Ziazadeh			01 07 2002
Name (line 2)				Execution Date
Second Party Name (line 1)	Jitendra Mohan			Month Day Yea   01 07 200
Name (line 2)		4.44.077		
Receiving Pa	irty	Ma	ark if additional names o	of receiving parties attached
Name (line 1)	National Semiconductor Corpor	ration		If document to be rece is an assignment and receiving party is not
Name (line 2)				domiciled in the Unite States, an appointmen of a domestic
Address (line 1)	2900 Semiconductor Drive			representative is attac (Designation must be separate document fr
Address (line 2)	1			Assignment.)
Address (line 3)	Santa Clara	California State/Country	9505 Zi	l p Code
Domestic Re	presentative Name and	d Address Enter fo	or the first Receiving Pa	arty only.
Name	-			
Address (line 1)	-			
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Correspondent Na	me and Address Area Co	ode and Telephone Numb	er (214) 922-9221
Name Docke	et Clerk		
Address (line 1)			
Address (line 2) P.O. I	Drawer 800889		
Address (line 3) Dallas.	, Texas 75380		
Address (line 4)			
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If this document is being fill signed by the first named e	ed together with a <u>new</u> Patent Applicatio executing inventor.	n, enter the date the patent appli	ication was Month Day Year
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<u>only if</u> a U.S	pplication number  6. Application Number PCT	PCT	PCT
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	Enter the total numbe	r of properties involved.	#
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Method of Payn	nent: Enclosed	Deposit Account	
Deposit Accourting (Enter for payment	by deposit account or if additional fees of	can be charged to the account.) count Number:	# 140448
	Authorizati	on to charge additional fees	: Yes X No
Statement and Sig	ınature		
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Willia	m A. Munck Willi	_CManck	Date Park
Name of Per	/	Signature	Date

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# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

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

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Conveying Party(ies	· 1 1	Mark if addition	al names of conveying	parties attached	Execution Date
	M. Kamal			1	Month Day Year
Abu-Hena	. M. Kamai				01 07 2002
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Name (line 1) Devnath V	/aradarajan				Month Day Year 01 07 2002
Name (line 2)					
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Name (line 2)	Michigan Company				
Receiving Party(ies)		M	ark if additional names	of receiving partie	s attached
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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	
Name (line 1)					If document to be recorded is an assignment and the
Name (line 2)		и	en e		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.)
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Application Number	(s) or Patent Numb	er(s)	Mark if additional nu		
Enter either the Patent Ap	oplication Number or the Pa	tent Number (D	O NOT ENTER BOTH n	umbers for the sar	ne property).
	olication Number(s)			Patent Numb	er(s)
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#### **ASSIGNMENT OF APPLICATION**

Docket Number (Optional) P05094

Whereas, I. Ramsin Ziazadch of San Jose, California hereafter referred to as applicant, have invented certain new and useful improvements in OPERATIONAL AMPLIFIER CIRCUIT WITH IMPROVED FEEDBACK FACTOR    X   for which an application for a United States Patent was filed on December 21, 2001   Application Number 10 / 029, 121   or which an application for a United States Patent was executed on, and   whereas, National Semiconductor Corporation of Santa Clara, California 95051 herein referred to "assignee" whose post office address is			
OPERATIONAL AMPLIFIER CIRCUIT WITH IMPROVED FEEDBACK FACTOR    X   tor which an application for a United States Patent was filled on   December   21,2001   Application Number   10 / 029.121	Whereas, I,	Ramsin Ziazadeh	of San Jose, California, hereafter
Application Number			•
Application Number 10 / 029,121  for which an application for a United States Patent was executed on	OPERATIONAL	AMPLIFIER CIRCUIT W	ITH IMPROVED FEEDBACK FACTOR
Whereas, National Semiconductor Corporation of Santa Clara, California 95051 herein referred to "assignee" whose post office address is	Application N	lumber 10 / 029,121	·
"assignee" whose post office address is	tor which an	application for a United States	s Patent was executed on, and
sirous of acquiring the entire right, title and interest in the same;  Now, therefore, in consideration of the sum oftwodollars (\$2.00), 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	Whereas, National	Semiconductor Corporation 0	of Santa Clara, California 95051 herein referred to
Now, therefore, in consideration of the sum oftwodollars (\$2.00), 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	"assignee" whose po	st office address is	2900 Semiconductor Drive is de-
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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	and transfer unto said	d assignee the full and exclusi	ive right to the said invention in the United States and the
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	entire right, title and i	nterest in and to any and all Pa	atents which may be granted therefor in the United States,
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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	Patent to said assign	ee, of the entire right, title, and	d interest in and to the same, for his sole use and behoof;
Executed this	and for the use and b	ehoof of his legal representati	ives, to the full end of the term for which said Patent may
State of County  State of County SS:  County of South Clara  Before me personally appeared said Ramsin Ziazadeh  Before me personally appeared said Ramsin Ziazadeh  and acknowledged the foregoing instrument to be his free act and deed this day of Tennary 200 2  Seal  Seal  (Notary Public)	be granted, as fully a	nd entirely as the same would	I have been held by me had this assignment and sale not
State of County SS:  County of South Clara  Before me personally appeared said Ramsin Ziazadeh and acknowledged the foregoing instrument to be his free act and deed this day of Tanzang 200 2  Seal  (Notary Public)	been made.		_
State of Cali Jonia SS:  County of Sonta Clara  Before me personally appeared said acknowledged the foregoing instrument to be his free act and deed this day of January, 200 2  Seal  Ramsin Ziazadeh  Ramsin Ziazadeh  Ramsin Ziazadeh  Ramsin Ziazadeh  (Notary Public)	Executed this	day of	Jan. ,2002
State of Cali Jorna SS:  County of Sonta Clarn  Before me personally appeared said Ramsin Ziazadeh  and acknowledged the foregoing instrument to be his free act and deed this day of Tanary 200 2  Seal (Notary Public)	at Santa	Clava Count	4 - 1 014.
State of Cali Jornia SS:  County of Sonta Clarn  Before me personally appeared said Ramsin Ziazadeh  and acknowledged the foregoing instrument to be his free act and deed this day of Tanary 200 2  Seal (Notary Public)			Ramsin Eiazadeh Mycull
County of Sonta Clark  Before me personally appeared said	State at Cali	ATMIN SS:	(Signature)
and acknowledged the foregoing instrument to be his tree act and deed this	County of Sant	Clara	Ramsin Ziazadeh
Seal Seal (Notary Public)	and acknowledged	the foregoing instrument to be r	nis free act and deed this
Seal	day of <u>Tanva</u>	200	Baien L. vills
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**PATENT** 

#### **ASSIGNMENT OF APPLICATION**

Docket Number (Optional) P05094

Whereas, I, Jitendra Moha	n of <u>Santa Clara, California</u> , hereafter
	certain new and useful improvements in
OPERATIONAL AMPLIFIER CIT	RCUIT WITH IMPROVED FEEDBACK FACTOR
Application Number10/_	nited States Patent was filed on <u>December 21, 2001</u> , 029,121, nited States Patent was executed on, and
Whereas, National Semiconductor Corp	poration of Santa Clara, California 95051 herein referred to
"assignee" whose post office address is	2900 Semiconductor Drive is de-
sirous of acquiring the entire right, title	and interest in the same;
Now, therefore, in consideration of the s	sum of two dollars (\$ 2.00 ), the receipt whereof is ac-
knowledged, and other good and valual	ble 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 an	y and all Patents which may be granted therefor in the United States,
I hereby authorize and request the Cor	mmissioner of Patents and Trademarks to issue said United States
	ght, title, and interest in and to the same, for his sole use and behoof;
	representatives, to the full end of the term for which said Patent may
be granted, as fully and entirely as the s	same would have been held by me had this assignment and sale not
been made.	Τ
Executed this	day of January ,2002
at Santa Clava	County
	Jetendrallolan
State of California SS: County of California SS: Before me personally appeared said and acknowledged the foregoing instruit day of Tanuary, 2002.	Jitendra Mohan  ment to be his free act and deed this
Seal (	(Notary Public)
	1 hours to complete. Time will vary depending upon the needs of the individual case. A

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.

Santo Charo County 14/03.00 80 70 Jun 11,2005

KAREN L METZ Commission # 1223797 Notary Public - Colliamia

**PATENT** 

### **ASSIGNMENT OF APPLICATION**

Docket Number (Optional) P05094

A REPORT OF THE PROPERTY OF TH
Whereas, I, Abu-Hena M. Kamal of Santa Clara, California , hereafter
referred to as applicant, have invented certain new and useful improvements in
OPERATIONAL AMPLIFIER CIRCUIT WITH IMPROVED FEEDBACK FACTOR
for which an application for a United States Patent was filed on <u>December 21, 2001</u> , Application Number <u>10 / 029,121</u> .  for which an application for a United States Patent was executed on, and
Whereas, National Semiconductor Corporation of Santa Clara, California 95051 herein referred to
"assignee" whose post office address is is de-
sirous of acquiring the entire right, title and interest in the same;
Now, therefore, in consideration of the sum of $\underline{two}$ dollars ( $\underline{$2.00}$ ), 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 the
entire right, title and interest in and to any and all Patents which may be granted therefor in the United States,
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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
at Santa Clara Country
Abutter M. Karnal
State of California SS: (Signature)
County of Santa Clarge Aby Hong M. Kamal
Before me personally appeared said
day of January, 2002
Seal (Notary Public)  This fame is estimated to take 0.1 hours to complete. Time will vary depending upon the needs of the individual case.

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. KAREN L METZ

> Commission # 1223997 Notary Fublic - California Sania Clara County My Co. nm. Expires Jun 11, 2003

**PATENT** 

#### **ASSIGNMENT OF APPLICATION**

Docket Number (Optional) P05094

Whereas, I, Devnath Varadarajan of Santa Clara, California, hereafter
referred to as applicant, have invented certain new and useful improvements in
OPERATIONAL AMPLIFIER CIRCUIT WITH IMPROVED FEEDBACK FACTOR
for which an application for a United States Detent was filed an Desember 21 2001
for which an application for a United States Patent was filed on $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $
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Whereas, National Semiconductor Corporation of Santa Clara, California 95051 herein referred to
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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 the
entire right, title and interest in and to any and all Patents which may be granted therefor in the United States,
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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
at Santa Clara County
U
State of California SS: (Signature)
County of Senta Class  Before me personally appeared said Devnath Varadarajan
and acknowledged the foregoing instrument to be his free act and deed this
Marin F. My
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.

Commission # 1273097
Nothery Pelson Crist Inda
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12000

KAREN L MITZ

RECORDED: 03/04/2002

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