02-24-2003

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) M&G- 50019.155US01/P05333



U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original document	ts or copy thereof.
Name of conveying party(ies):	2. Name and address of receiving party(ies):
1) Marshall J. Bell 2) Christopher A. Ludden 3) Richard Alexander Erhart 2-20-03	National Semiconductor Corporation 2900 Semiconductor Drive Santa Clara, California 95051-8090
Additional name(s) of conveying party(ies) attached? Yes No	Additional name(s) & address(es) attached? ☐ Yes ☒ No
3. Nature of conveyance: Assignment Security Agreement Other: Merger Change of Name	
Execution Date: 1) January 24, 2003; 2) February 10, 2003; 3) January 27, 2003	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application,	the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
	D. 1 dient 140.(3)
10/287,900	
	ttached? ☐ Yes ⊠ No
5. Name and address of party to whom correspondence concernin document should be mailed:	g 6. Total number of applications and patents involved: 1
Name: Brett A. Hertzberg Address: Merchant & Gould P.C. P.O. Box 2903 Minneapolis, MN 55402-0903	 7. Total fee (37 CFR 3.41): \$40.00 Enclosed Authorized to be charged to deposit account 8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725
DO NOT US	E THIS SPACE
9. Statement and signature:	
To the best of my knowledge and belief, the foregoing informa original document.	ation is true and correct and any attached copy is a true copy of the
Brett A. Hertzberg, Reg. No. 42,660	February 13, 2003
Name of Person Signing	Signature Date
•	Total number of pages including cover sheet, attachments, and document:10
Do not deta	ech this portion
Director - U.S. Patent Washingto Public burden reporting for this sample cover sheet is estimated to average abordocument and gathering the data needed, and completing and reviewing the same	mple cover sheet. Send comments regarding this burden estimate to the U.S.
Reduction Project (0651-0011), Washington, D.C. 20503.	shington, D.C. 20231, and to the Office of Management and Budget, Paperwork

02/25/2003 ECOOPER 00000010 10287900

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PATENT REEL: 013765 FRAME: 0878

ASSIGNMENT

WHEREAS, we, Marshall J. Bell, residing at 2343 E. San Tan Street, Chandler, Arizona 85225, Christopher A. Ludden, residing at 30 Widewaters Lane, Pittsford, New York, 14534 and Richard Alexander Erhart, residing at 1747 E. Carver Road, Tempe, Arizona 85284 made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 5, 2002, Application No. 10/287,900, which is entitled STACKED AMPLIFIER ARRANGEMENT FOR GRAPHICS DISPLAYS.

AND WHEREAS, National Semiconductor Corporation, a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 2900 Semiconductor Drive, Santa Clara, California 95051-8090 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar and other good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions,

PATENT REEL: 013765 FRAME: 0879 applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this $\frac{24}{100}$ day of

6V

IAKSHALL J. BELL

STATE OF AIIZONA) ss.

Notary Public State of Arizona
Maricopa County
Cynthia L Quest
Expires May 20, 2003

On this 24th day of January, 2003, before me personally appeared MARSHALL J. BELL to me known and known to me to be the person described in and who executed

the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and

purposes therein set forth.

[SEAL]

Notary/Public

Notary Public State of Arizona
Maricopa County
Cynthia L Quest
Expires May 20, 2003

IN TESTIMONY WHEREC	OF, I have hereunto set my hand this day of
, 2003.	
	CHRISTOPHER A. LUDDEN
STATE OF)	
STATE OF	
On this day of	, 2003, before me personally appeared
CHRISTOPHER A. LUDDEN to me known	and known to me to be the person described in and who
executed the foregoing instrument, and he du	ly acknowledged to me that he executed the same for the
uses and purposes therein set forth.	
[SEAL]	
	Notary Public
IN TESTIMONY WHEREC	OF, I have hereunto set my hand this day of
, 2003.	
	RICHARD ALEXANDER ERHART
STATE OF)) ss.	
) ss. (COUNTY OF)	
COUNTY OF)	
On this day of	, 2003, before me personally appeared.
RICHARD ALEXANDER ERHART to me	known and known to me to be the person described in
and who executed the foregoing instrument,	and he duly acknowledged to me that he executed the
same for the uses and purposes therein set for	
[SEAL]	
	Notary Public

ASSIGNMENT

WHEREAS, we, Marshall J. Bell, residing at 2343 E. San Tan Street, Chandler, Arizona 85225, Christopher A. Ludden, residing at 30 Widewaters Lane, Pittsford, New York, 14534 and Richard Alexander Erhart, residing at 1747 E. Carver Road, Tempe, Arizona 85284 made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on November 5, 2002, Application No. 10/287,900, which is entitled STACKED AMPLIFIER ARRANGEMENT FOR GRAPHICS DISPLAYS.

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AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions,

Page 1 of 3

applications, Letters Patent, rig	gnis, imes, bene	ents, privileges and advantages nereby sold, assigned
and conveyed, or intended so	to be.	
AND, further	more we covena	ant and agree with said Assignee, its successors and
assigns, that no assignment, gr	ant, mortgage, l	license or other agreement affecting the rights and
property herein conveyed has	been made to ot	thers by us and that full right to convey the same as
herein expressed is possessed	by us.	
IN TESTIMO , 2003.		F, I have hereunto set my hand this day of
		MARSHALL J. BELL
STATE OF COUNTY OF)	
COUNTY OF	_)	
On this	_ day of	, 2003, before me personally appeared
MARSHALL J. BELL to me k	nown and know	vn to me to be the person described in and who executed
the foregoing instrument, and l	ne duly acknowl	ledged to me that he executed the same for the uses and
purposes therein set forth.		

Notary Public

[SEAL]

	F, I have hereunto set my hand this $\frac{1}{2}$ day of
February, 2003.	CHRISTOPHER A. LUDDEN
STATE OF NEW YORK) COUNTY OF MONROE)	
COUNTY OF MOLICOE) ss.	
On this 10 ⁴¹ day of FEO	<u>PUAR</u> √, 2003, before me personally appeared
	and known to me to be the person described in and who
executed the foregoing instrument, and he dul	y acknowledged to me that he executed the same for the
uses and purposes therein set forth.	
JULIE M. MCDONALD Notary Public, State of New York No. 01MC8076701 Qualified In Ontario County Commission Expires July 1, 20	Motary Public
IN TESTIMONY WHEREON , 2003.	F, I have hereunto set my hand this day of
	RICHARD ALEXANDER ERHART
STATE OF	
On this day of	, 2003, before me personally appeared.
RICHARD ALEXANDER ERHART to me k	nown and known to me to be the person described in
and who executed the foregoing instrument, as	nd he duly acknowledged to me that he executed the
same for the uses and purposes therein set fort	h.
[SEAL]	
-	Notary Public

ASSIGNMENT

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Page 1 of 3

applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned
and conveyed, or intended so to be.
AND, furthermore we covenant and agree with said Assignee, its successors and
assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and
property herein conveyed has been made to others by us and that full right to convey the same as
herein expressed is possessed by us.
IN TESTIMONY WHEREOF, I have hereunto set my hand this day of, 2003.
MARSHALL J. BELL
STATE OF
, , , , , , , , , , , , , , , , , , ,
On this day of, 2003, before me personally appeared
MARSHALL J. BELL to me known and known to me to be the person described in and who executed
the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and
purposes therein set forth.

Notary Public

[SEAL]

IN TESTIMONY WHEREOF	F, I have hereunto set my hand this day of
, 2003.	
	CHRISTOPHER A. LUDDEN
STATE OF	
On this day of	, 2003, before me personally appeared
CHRISTOPHER A. LUDDEN to me known a	and known to me to be the person described in and who
executed the foregoing instrument, and he duly	y acknowledged to me that he executed the same for the
uses and purposes therein set forth.	
[SEAL]	Notary Public
	Notary I done
January, 2003.	F, I have hereunto set my hand this 2 Thoday of RICHARD ALEXANDER ERHART
STATE OF ALIZONO)	
STATE OF ALIZONA) COUNTY OF MALICUPA)	
On this 27 day of JA	MUALU, 2003, before me personally appeared.
	nown and known to me to be the person described in
and who executed the foregoing instrument, ar	nd he duly acknowledged to me that he executed the
same for the uses and purposes therein set fort	h. / / / / / / / / / / / / / / / / / / /
[SEAL]	Notary Public
Notary Public State of Arizona Maricopa County Cynthia L Quest Expires May 20, 2003	

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RECORDED: 02/20/2003