PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Robert Karl Butler	07/09/2009
Vijaya Ceekala	08/26/2009
Jim Wieser	08/25/2009

RECEIVING PARTY DATA

Name:	National Semiconductor Corporation	
Street Address:	2900 Semiconductor Drive	
City:	San Jose	
State/Country:	CALIFORNIA	
Postal Code:	95052-8090	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12423704	

CORRESPONDENCE DATA

Fax Number: (206)342-6201

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 612-332-5300

Email: mcrosslin@merchantgould.com
Correspondent Name: MERCHANT & GOULD PC

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	50019.0335USU1	
NAME OF SUBMITTER:	Timothy P. Sullivan	

Total Attachments: 6

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PATENT REEL: 023158 FRAME: 0568 OF \$40.00 12423/0

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> PATENT REEL: 023158 FRAME: 0569

ASSIGNMENT

WHEREAS, we, Robert Karl Butler, residing at 2525 Jasmine Place NW, Issaquah,
Washington 98027; Vijaya Ceekala, residing at 1440 Gordy Drive, San Jose, California 95131; and Jim
Weiser, residing at 1249 Piemonte Drive, Pleasanton, California 94566, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on April 14, 2009, application Serial No. 12/423,704 which is entitled CABLE DETECTOR.

AND WHEREAS, National Semiconductor Corporation, a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 2900 Semiconductor Drive, San Jose, California (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

PATENT REEL: 023158 FRAME: 0570 entire right, title and interest in and to the improvements, inventions, 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
, 20
Robert Karl Butler
TATE OF
TATE OF)) ss. OUNTY OF)
OUNTY OF)
On this day of, 20, before me personally appeared Robert
arl Butler to me known and known to me to be the person described in and who executed the foregoing
strument, and he duly acknowledged to me that he executed the same for the uses and purposes therein
t forth.
EAL]
Notary Public
IN TESTIMONY WHEREOF, I have hereunto set my hand this <u>26</u> day of
<u>AUGUST</u> , 20 <u>09</u> .
· · · · · · · · · · · · · · · · · · ·
O(1/i)
Vijava Ceekala
C_{i}
TATE OF CONTOUR)
OUNTY OF Shite Clairs) ss.
On this 26 day of August, 2009, before me personally appeared Vijaya
eekala 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 KAREN L. METZ **Commission # 1753150** Notary Public - California [SEAL Santa Clara County Notary My Comm. Brokes Jun 25, 2011 IN TESTIMONY WHEREOF, I have hereunto set my hand this 25 day of Weiser 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] KAREN L. METZ Commission # 1753150 Notary Public - California Santa Clara County

Ny Comm. Expires Jun 25.201

ASSIGNMENT

WHEREAS, we, Robert Karl Butler, residing at 525 Jasmine Place NW, Issaquah, Washington 98027; Vijaya Ceekala, residing at 1440 Gordy Drive, San Jose, California 95131; and Jim Weiser, residing at 1249 Piemonte Drive, Pleasanton, California 94566, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on April 14, 2009, application Serial No. 12/423,704 which is entitled CABLE DETECTOR.

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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.

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PATENT REEL: 023158 FRAME: 0573 entire right, title and interest in and to the improvements, inventions, 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.

II.	N TESTIMON	Y WHEREOF	, I have hereun	to set my hand this day of
July			115	Jh n
			Robert Karl	Battler
STATE OF	ashington Prerce)) ss.)		-
				2, before me personally appeared Robert escribed in and who executed the foregoing
he same of the he	e duly acknow	ledged to me t	hat he executed	the same for the uses and purposes therein
S HOTARY			4	hum Jeon
PARCH 31 PHONING			Notary Publ	ic
	N TESTIMON , 20 .	Y WHEREOF	F, I have hereun	to set my hand this day of
			Vijaya Ceek	ala
STATE OF)) ss.		
COUNTY OF)		
				_, before me personally appeared Vijaya
Ceekala to me kno	own and know	n to me to be t	the person desc	ribed in and who executed the foregoing

instrument, and he duly acknowledged to me the	at he executed the same for the uses and purposes therein
set forth.	
[SEAL]	
-	Notary Public
IN TESTIMONY WHEREOF,	I have hereunto set my hand this day of
, 20	
	Jim Weiser
STATE OF)	
STATE OF	
On this day of	, 20, before me personally appeared Jim
Weiser to me known and known to me to be the	e person described in and who executed the foregoing
instrument, and he duly acknowledged to me th	at he executed the same for the uses and purposes therein
set forth.	
[SEAL]	
	Notary Public