Form **PTO-1595** (Rev. 06/04) OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE United States Patent and Tradinin & Office

PATEN	TS ONLY 2006 OCT 16 AM 11: 26			
To the Director of the U.S. Patent and Trademark Office: Plo	ease record the attached documents on the help address les Didlow.			
1. Name of conveying party(ies)/Execution Date(s): 2. Name and address of receiving party(ies)			
Jamal Ramdani Andre P. Labonte	Name: National Semiconductor Corporation			
Craig Printy	Internal Address:			
Steven J. Adler				
Execution Date(s) September 22, 2006, respectively Additional name(s) of conveying party(ies) attached? Yes	Street Address: 2900 Semiconductor Drive			
3. Nature of conveyance: ✓ Assignment ✓ Merger	City: Santa Clara			
	Oity.			
Security Agreement Change of Name	State: California			
Government Interest Assignment	Country II C A 7in 05051			
Executive Order 9424, Confirmatory License	Country: U.S.A. Zip: 95051			
Other	Additional name(s) & address(es) attached? Yes No			
4. Application or patent number(s):	s document is being filed together with a new application.			
A. Patent Application No.(s)	B. Patent No.(s)			
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11/486,967				
11/486,967				
11/486,967				
11/486,967 Additional numbers	attached? Yes VNo			
Additional numbers 5. Name and address to whom correspondence	attached? Yes No 6. Total number of applications and patents involved:			
Additional numbers 5. Name and address to whom correspondence	6. Total number of applications and patents involved:			
Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: Docket Clerk	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00			
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5. Name and address to whom correspondence concerning document should be mailed: Name: Docket Clerk Internal Address: Street Address: P.O. Drawer 800889 City: Dallas	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information			
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5. Name and address to whom correspondence concerning document should be mailed: Name: Docket Clerk Internal Address: Street Address: P.O. Drawer 800889 City: Dallas State: Texas Zip: 75380 Phone Number: 972-628-3600	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 50-0208			
5. Name and address to whom correspondence concerning document should be mailed: Name: Docket Clerk Internal Address: Street Address: P.O. Drawer 800889 City: Dallas State: Texas Zip: 75380	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 50-0208			
Additional numbers 5. Name and address to whom correspondence concerning document should be mailed: Name: Docket Clerk Internal Address: Street Address: P.O. Drawer 800889 City: Dallas State: Texas Zip: 75380 Phone Number: 972-628-3600 Fax Number: 972-628-3616	6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 50-0208			
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REEL: 018415 FRAME: 0400

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Sample Form (former PTO/SB/15) (08-03)

10:09:18 a.m.

ASSIGNMENT OF APPLICATION	ION	Docket Number (Optional) P06560			
Whereas, I/We, <u>Craig Printy</u>	of Buxton, Maine	e, hereafter			
referred to as applicant, have invented certain new and useful improvements in SYSTEM AND METHOD FOR PROVIDING A SINGLE DEPOSITION EMITTER/BASE IN A BIPOLAR JUNCTION TRANSISTOR					
for which an application for a United States Pater	nt was filed onJul	y 13, 2006			
Application Number 11/486,967	<u>_</u> ·				
for which an application for a United States Pater	nt was executed on	, and			
Whereas, National Semiconductor Corporation of Santa C	clara, California	here referred			
to "assignee" whose mailing address is 2900 Semicono	ductor Drive	is			
desirous of acquiring the entire right, title and interest in	n the same;				
Now, therefore, in consideration of the sum of Twacknowledge, and other good and valuable consideration and transfer unto said assignee the full and exclusive rights, title and interest in and to any and all Patents whereby authorize and request the Director of the U.S. Patent to said assignee, of the entire right, title, and interest in an authorize and request the Director of the U.S. Patent to said assignee, of the entire right, title, and interest in use and behoof of his legal representatives, granted, as fully and entirely as the same would have made. Executed this	on, I/We, the applicant(ight to the said invention which may be granted Patent and Trademark terest in and to the sand to the full end of the to been held by me had	s), by these presents do sell, assign in the United States and the entire therefore in the United States. I/We office to issue said United States he, for his sole use and behoof; and term for which said Patent may be this assignment and sale not been			
	CM	ighature			
State of Maine	Craig Printy				
County of <u>United Bank</u>) SS:	Printed Name/Re	egistration No., if applicable			
Before me personally appeared said Craig Printy					
and acknowledged the foregoing instrument to be his free act and deed this					
day of Station 20 06	Clary Mr Chr 12/19/10	ife			
Seal	12/19/10)			
Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.					
✓ Total of forms are submitted.					

This form offers a sample or suggested format for an assignment document. This sample form is not an OMB officially approved form.

	Sample Form (former PTO/SB/15) (08-03)					
ASSIGNMENT OF APPLICATION	Docket Number (Optional) P06560					
Whereas, I/We, Andre P. Labonte of Lewiston.	Maine , hereafter					
referred to as applicant, have invented certain new and useful improvement FOR PROVIDING A SINGLE DEPOSITION EMITTER/BASE IN A BIPOL	ents in SYSTEM AND METHOD AR JUNCTION TRANSISTOR					
\overline{x} for which an application for a United States Patent was filed on $\overline{{ m Jul}}$	y 13, 2006					
Application Number <u>11/486,967</u> .						
for which an application for a United States Patent was executed on	, and					
Whereas, National Semiconductor Corporation of Santa Clara, California	here referred					
to "assignee" whose mailing address is 2900 Semiconductor Drive	is					
desirous of acquiring the entire right, title and interest in the same;						
Now, therefore, in consideration of the sum of Two dollars acknowledge, and other good and valuable consideration, I/We, the applic and transfer unto said assignee the full and exclusive right to the said inverights, title and interest in and to any and all Patents which may be gran hereby authorize and request the Director of the U.S. Patent and Trader Patent to said assignee, of the entire right, title, and interest in and to the for the use and behoof of his legal representatives, to the full end of granted, as fully and entirely as the same would have been held by me made. Executed this	cant(s), by these presents do sell, assign ention in the United States and the entire sted therefore in the United States. I/We mark Office to issue said United States same, for his sole use and behoof; and the term for which said Patent may be had this assignment and sale not been					
State of Maine County of Limber and SS: Andre P. Labout Printed Name	e e/Registration No., if applicable					
Before me personally appeared said Andre P. Labonte						
and acknowledged the foregoing instrument to be his free act and deed this 2271						
day of Suptlinbut 2006 Cliff 71. Co	in fer					
Seal Canm tx	p 12-(19/18					
Note: Signatures of all the invertors or assignees of record of the entire interest or their repre- more than one signature is required, See below*.						
✓ Total of forms are submitted.						

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REEL: 018415 FRAME: 0402

Sample Form (former PTO/SB/15) (08-03) Docket Number (Optional) **ASSIGNMENT OF APPLICATION** P06560 Whereas, I/We, Steven J. Adler of Cape Elizabeth, Maine referred to as applicant, have invented certain new and useful improvements in SYSTEM AND METHOD FOR PROVIDING A SINGLE DEPOSITION EMITTER/BASE IN A BIPOLAR JUNCTION TRANSISTOR for which an application for a United States Patent was filed on $\frac{\mathrm{July}}{\mathrm{July}}$ 13, 2006 Application Number 11/486,967 for which an application for a United States Patent was executed on _____, and Whereas, National Semiconductor Corporation of Santa Clara, California here referred to "assignee" whose mailing address is 2900 Semiconductor Drive desirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of Two dollars (\$ 2.00), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), 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 rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office 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 State of Maine Steven J. Adler SS: Printed Name/Registration No., if applicable Before me personally appeared said Steven J. Adler and acknowledged the foregoing instrument to be his free act and deed this $_{-}$ $\mathcal{Z}\mathcal{I}^{\prime\prime}$ Seal

Comm Exp. 12/19/10

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) a more than one signature is required. See below

more than one signature is required, See below.

✓ Total of forms are submitted.

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Sample Form (former PTO/SB/15) (08-03)

ASSIGNMENT OF APPLICATION	N	Docket Number (Optional) 5560
Whereas, I/We, <u>Jamal Ramdani</u>	of <u>Scarborough</u>	Maine	, hereafter
referred to as applicant, have invented certain new and FOR PROVIDING A SINGLE DEPOSITION EMITTER/B	useful improvements BASE IN A BIPOLAR	in SYSTEM AND JUNCTION TRAN	METHOD
for which an application for a United States Patent Application Number 11/486,967		y 13, 2006	
for which an application for a United States Patent	was executed on		, and
Whereas, National Semiconductor Corporation of Santa Cla	ra, California		here referred
to "assignee" whose mailing address is 2900 Semicondu	ctor Drive		is
desirous of acquiring the entire right, title and interest in	the same;		
acknowledge, and other good and valuable consideration and transfer unto said assignee the full and exclusive rig rights, title and interest in and to any and all Patents whereby authorize and request the Director of the U.S. F Patent to said assignee, of the entire right, title, and interest for the use and behoof of his legal representatives, to granted, as fully and entirely as the same would have it made. Executed this	ht to the said invention hich may be granted attent and Trademark rest in and to the said the full end of the open held by me had	on in the United State therefore in the United State of the United	ates and the entire nited States. I/We said United States and behoof; and id Patent may be and sale not been
at			
•		CALACIC Signature	شم
State of Maine SS: County of Carribe of Arraba	Jamal Ramdani Printed Name/R	egistration No., if a	pplicable
Before me personally appeared saidJamal Ramdani			
and acknowledged the foregoing instrument to be his fre	e act and deed this _	aand.	
day of Spreyx NCC -, 20 06			
Seal (Merrily "	oundance,	noting.	
Note: Signatures of all the inventors or assignees of record of the entire more than one signature is required, See below*.			ubmit multiple forms if
✓ Total of 4 forms are submitted.			

This form offers a sample or suggested format for an assignment document. This sample form is not an OMB officially approved form.

RECORDED: 10/16/2006