PRNEY DOCKET NO: LAT0008US

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HEET

PATENT AND TRADEMARK OFFICE

9/23/07 102234925

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TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT ORIGINAL DOCUMENTS OR COPY THEREOF	AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED
Name of conveying party(ies):	Name and address of receiving party(ies):
(a) Hans W. Klein	Name: Lattice Semiconductor Corporation
(b) Paul Hildebrant	Street Address: 5555 N.E. Moore Ct.
(c) Joey Doernberg	City: Hillsboro Oregon 97124-6421
(d) Jian Li	Country: USA
Additional name(s) of conveying party(ies) attached?	
Yes No	
3. Nature of Conveyance:	Name and address of receiving party(ies):
Assignment Merger	Name:
Security Agreement Change of Name	Street Address:
Other	City: State: Zip:
Execution Date: (a) H. Klein: 8/26/02; (b) P. Hildebrant: 9/9/02;	Country:
(c) J. Doernberg: 9/11/02; (d) J. Li: 8/26/02	Additional name(s) & address(es) attached?
10) 0. BOOKHIBEIG. 5/1 1/02, 14/3. El. 0/25/02	☐ Yes ⊠ No
Application number(s) or patent number(s)	
If this document is being filed together with a new application, the	ne execution date of the application is:
A. Patent Application No.(s) - 10/159,089	B. Patent No.(s)
Title: Precision Analog Level Shifter With Programmable	
Options	
Additional num	bers attached? Yes No
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: One
Name: Marc R. Ascolese	
Firm: CAMPBELL STEPHENSON ASCOLESE LLP	
Address: 4807 Spicewood Springs Rd.	7. Total fee (37 CFR 3.41): \$40.00
Address: Bldg. 4, Suite 201	
City Austin State TX Zip 78759	Authorized to be charged to Deposit Account 502306
	Charge Deposit Account 502306 for any additional fees required for this conveyance and credit deposit account
	502306 any amounts overpaid
9/24/2002 GTON11 00000224 502306 10159089	
1 FC:581 40.00 CH DO NOT USE 1	THIS SPACE
,	
8. Statement and signature.	
To the best of my knowledge and belief, the foregoing information original document.	on is true and correct and any attached copy is a true copy of the
Mars B. Asselses 40.000 M.	1 / 7/17/02
Marc R. Ascolese 42,268 Name of Person Signing	Signature Date
Total nu	mber of pages including cover sheet, attachments, and documents: 7

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Jian Li of Portland, Oregon	Hans W. Klein Paul Hildebrant Joey Doernberg Jian Li	of of	San Jose, California Banks, Oregon San Jose, California Portland, Oregon
1 of traind, Oregon		01	Tortiand, Oregon

hereby sell, assign and transfer to Lattice Semiconductor Corporation, a Delaware corporation, having a place of business at 5555 N.E. Moore Ct., Hillsboro, Oregon 97124-6421, its successors and assigns, the entire right, title and interest throughout the world in our invention in

PRECISION ANALOG LEVEL SHIFTER WITH PROGRAMMABLE OPTIONS

for which we filed a United States Patent Application on May 30, 2002, which now has Serial No. 10/159,089, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its

Executed this 26 day of August , 2002.

Hans W. Klein

State of California) ss

County of Santa Clara)

On August 26 2002 before me, Michele L Reed personally appeared Hans W. Klein personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

MICHELE L. REED COMM. No.1308B15
NOTARY PUBLIC - CALIFORNIA SANTA CLARA COUNTY
My Comm. Expires June 12, 2005

WITNESS my hand and official scal.

PATENT REEL: 013324 FRAME: 0624

Executed this	day of	, 2002.
		D 111111
State of)	Paul Hildebrant
State of) ss.	
County of)	
On	befor	re me, personally
appeared Paul Hildebra	ant personally know	re me, personally n to me or proved to me on the basis of satisfactory evidence to
he/she/they executed the	name(s) is(are) sub same in his/her/the	scribed to the within instrument and acknowledged to me that ir authorized capacity(ies), and that by his/her/their signature(s) atity upon behalf of which the person(s) acted, executed the
		WITNESS my hand and official seal.
		SICNATUDE OF MOTADY
		SIGNATURE OF NOTARY
Executed this 1	l day of SE	PT. 2002
<u></u>		Joy O semberg Joey Doernberg
		Joig & sernberg
State of <u>California</u>)	Joey Doernberg
) ss.	
County of Santa Clara	a)	
On Septe	ember 11 'Obefor	e me, <u>Michele L Reed</u> personally
be the person(s) whose he/she/they executed the on the instrument the pinstrument. MICHEL	name(s) is(are) subsets same in his/her/their	to me or proved to me on the basis of satisfactory evidence to scribed to the within instrument and acknowledged to me that ir authorized capacity(ies), and that by his/her/their signature(s) tity upon behalf of which the person(s) acted, executed the WITNESS my hand and official seal.
	es June 12, 2005	SIGNATURE OF NOTARY
Tananalaan anka		
Executed this	day of	, 2002.
		Jian Li
State of)	
County of) ss.	
appeared Jian Li person person(s) whose name(he/she/they executed the	s) is(are) subscribe same in his/her/thei	personally reproved to me on the basis of satisfactory evidence to be the d to the within instrument and acknowledged to me that reauthorized capacity(ies), and that by his/her/their signature(s) tity upon behalf of which the person(s) acted, executed the
		WITNESS my hand and official seal.
		SIGNATURE OF NOTARY

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Hans W. Klein	of	San Jose, California
Paul Hildebrant	of	Banks, Oregon
Joey Doernberg	of	San Jose, California
Jian Li	of	Portland, Oregon
place of business at 5555 entire right, title and interes	N.E. Moore Ct., Hillsboot throughout the world	
PRECISION A	ANALOG LEVEL SHIF	FTER WITH PROGRAMMABLE OPTIONS
No. 10/159,089, and all p divisions, reissues, continu said applications; we authorized invention, and to claim all papers useful in connection possible to aid said assign obtaining and enforcing page 10/10/10/10/10/10/10/10/10/10/10/10/10/1	atent applications and ations and extensions the orize the above-named a rights of priority without with said United State nee, their successors, a atents for said invention	application on May 30, 2002, which now has Serial patents of every country for said invention, including hereof, and all rights of priority resulting from the filing of assignee to apply for patents of foreign countries for said out further authorization from us; we agree to execute all as and foreign applications, and generally to do everything assigns and nominees, at their request and expense, in in all countries; and we request that the United States anted for said invention to the above-named assignee, its
Executed this	_ day of	, 2002.
	_	Hans W. Klein
State of		TAGIO III ELOM
	SS.	
State of	50.	
		personally
appeared Hans W. Klein p the person(s) whose name he/she/they executed the sa	e(s) is(are) subscribed ame in his/her/their auth	or proved to me on the basis of satisfactory evidence to be to the within instrument and acknowledged to me that norized capacity(ies), and that by his/her/their signature(s) apon behalf of which the person(s) acted, executed the
	V	VITNESS my hand and official seal.

SIGNATURE OF NOTARY

PATENT REEL: 013324 FRAME: 0626

Executed this 9^{+40} day of 90^{-50}	ptember, 2002.
	Paul Odeller
	Paul Hildebrant
State of <u>Cregon</u>) ss. County of <u>Nashungton</u>	
County of <u>Nashungton</u>	
	me, Bree Philpott personally
appeared Paul Hildebrant personally known to	o me or proved to me on the basis of satisfactory evidence to
	ribed to the within instrument and acknowledged to me that authorized capacity(ies), and that by his/her/their signature(s)
on the instrument the person(s), or the entity	y upon behalf of which the person(s) acted, executed the
instrument.	
Or FICIAL SEAL	WITNESS my hand and official seal.
BREE K. PHILPOTT NOTARY PUBLIC-OREGON	Kreek. Hulpott
COMMISSION NO. 341994 MY COMMISSION EXPIRES JAN. 15, 2005	SIGNATURE OF'NOTARY
in Commodor Extines SAN. 15, 2005	
Executed this day of	
	Joey Doernberg
State of)	·
State of	
Onbefore	me, personally
appeared Joey Doernberg personally known to	o me or proved to me on the basis of satisfactory evidence to
	ibed to the within instrument and acknowledged to me that authorized capacity(ies), and that by his/her/their signature(s)
	y upon behalf of which the person(s) acted, executed the
instrument.	
	WITNESS my hand and official seal.
	SIGNATURE OF NOTARY
Executed this day of	2002
Exceeded this day or	
	Jian Li
State of)	Jian Ei
State of) County of)	
appeared Jian Li personally known to me or i	me, personally proved to me on the basis of satisfactory evidence to be the
person(s) whose name(s) is(are) subscribed	to the within instrument and acknowledged to me that
	authorized capacity(ies), and that by his/her/their signature(s) y upon behalf of which the person(s) acted, executed the
instrument.	y upon behalf of which the person(s) acted, excedded the
	WITNESS my hand and official seal.
	TITTED IN Hand and Official Scal.
	SIGNATURE OF NOTARY

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we

Hans W. Klein	of San Jose, California of Banks, Oregon	-
Paul Hildebrant Joey Doernberg	of San Jose, California	
Jian Li	of Portland, Oregon	TALAMAANTELOPER
hereby sell, assign and transfer to Lattice Ser place of business at 5555 N.E. Moore Ct., Hil entire right, title and interest throughout the wo	miconductor Corporation, a Del Ilsboro, Oregon 97124-6421, its	aware corporation, having a
PRECISION ANALOG LEVEL S	HIFTER WITH PROGRAMMA	BLE OPTIONS
for which we filed a United States Patent No. 10/159,089, and all patent applications a divisions, reissues, continuations and extension said applications; we authorize the above-name invention, and to claim all rights of priority we papers useful in connection with said United States possible to aid said assignee, their successor obtaining and enforcing patents for said inventional Patent and Trademark Office issue all patents successors and assigns. Executed thisday of	and patents of every country for is thereof, and all rights of priority and assignee to apply for patents without further authorization from tates and foreign applications, and it, assigns and nominees, at the tion in all countries; and we regranted for said invention to the	or said invention, including ty resulting from the filing of of foreign countries for said a us; we agree to execute all ad generally to do everything eir request and expense, in equest that the United States
St. 1. S	Hans W.	Klein
) ss.		
State of		
On hefere		
Onbefore appeared Hans W. Klein personally known to the person(s) whose name(s) is(are) subscribe he/she/they executed the same in his/her/their a on the instrument the person(s), or the entity instrument.	ed to the within instrument and authorized capacity(ies), and that	d acknowledged to me that tby his/her/their signature(s)
	WITNESS my hand and officia	l seal.

SIGNATURE OF NOTARY

PATENT REEL: 013324 FRAME: 0628

Executed this	day of	, 2002.
		Paul Hildebrant
State of))	
State of) County of)	SS.	
On	before	e me, personally to me or proved to me on the basis of satisfactory evidence to
be the person(s) whose na he/she/they executed the s	ame(s) is(are) subs ame in his/her/thei	cribed to the within instrument and acknowledged to me that r authorized capacity(ies), and that by his/her/their signature(s) tity upon behalf of which the person(s) acted, executed the
		WITNESS my hand and official seal.
		SIGNATURE OF NOTARY
Executed this	day of	, 2002.
		Joey Doernberg
State of)		•
State of) County of)	SS.	
On .	before	to me or proved to me on the basis of satisfactory evidence to
be the person(s) whose na he/she/they executed the sa	ame(s) is(are) subs ame in his/her/their	to me or proved to me on the basis of satisfactory evidence to cribed to the within instrument and acknowledged to me that authorized capacity(ies), and that by his/her/their signature(s) ity upon behalf of which the person(s) acted, executed the
		WITNESS my hand and official seal.
		SIGNATURE OF NOTARY
Executed this 26	day of Age	aust 2002.
	C C	7. 1.
		Jian Li
State of ORYGON)		2 in P
County of WESH (North)	SS.	
On RUG 74, 2007 before me, TALLE C Majer personally		
appeared Jian Li personal person(s) whose name(s) he/she/they executed the sa	ly known to me or is(are) subscribed ame in his/her/their	r proved to me on the basis of satisfactory evidence to be the d to the within instrument and acknowledged to me that authorized capacity(ies), and that by his/her/their signature(s) ity upon behalf of which the person(s) acted, executed the
		WITNIEGO hand and a Contained
OFEICIAL SEA	VED	WITNESS my hand and official seal.
JACKIE C ME NOTARY PUBLIC-OF COMMISSION NO 3 MY COMMISSION EXPIRES SE	16216	SIGNATURE OF NOTARY

PATENT REEL: 013324 FRAME: 0629

RECORDED: 09/23/2002