PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MIN CHU	02/12/2015
JAGDEEP BAL	02/12/2015

RECEIVING PARTY DATA

Name:	INTEGRATED DEVICE TECHNOLOGY, INC.	
Street Address:	6024 SILVER CREEK VALLEY ROAD	
City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95138	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14622851

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 408-354-4448

Email: glass@patentforce.com
Correspondent Name: GLASS & ASSOCIATES

Address Line 1: P.O. BOX 1220

Address Line 4: LOS GATOS, CALIFORNIA 95031-1220

ATTORNEY DOCKET NUMBER:	IDT-3008-UT
NAME OF SUBMITTER:	KENNETH GLASS
SIGNATURE:	/kenneth glass/
DATE SIGNED:	02/14/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT 503180650 REEL: 034964 FRAME: 0862

COMBINED DECLARATION AND ASSIGNMENT Title of Invention FRACTIONAL REFERENCE-INJECTION PLL

DECLARATION

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Note to Inventor: 37 C.F.R. § 1.63(c) states: "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56."

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which is hereby expressly acknowledged, I do hereby sell, assign and transfer unto Integrated Device Technology, Inc., a corporation organized under the laws of the state of Delaware, having an address of 6024 Silver Creek Valley Road, San Jose, CA 95138 (hereinafter referred to as "ASSIGNEE"), its successors, assigns and legal representatives, the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority to the aforesaid application under International Conventions, Treaties and Arrangements) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefore in the United states and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my entire right, title and interest in and to the same, for the sole use and benefit of said Assignee, its successors and assigns, to the full end of the term for which said Letters 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.

Further, I agree that I will communicate to said ASSIGNEE or its representatives any facts known to me respecting said invention, and sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

First Inventor (Legal Name): Min Chu Signature:	Date: 2/12/2015
Second Inventor (Legal Name): Jagdeep Bal Signature:	Date: $\frac{2/ 2/ 20 }{5}$

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Patent Application Docket No.: IDT-3008-UT

First Inventor-Notarization:
STATE OF CALIFORNIA) ss. COUNTY OF SANTA CLARA) On this 12 day of February, 2015, before me, Leslie F. Hoffman, a Notary Public, State of California, duly commissioned and sworn, personally appeared, Min Chu, who proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on this instrument the person, or the entity upon behalf of which the person acted, executed the
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
Witness my hand and official seal: Austre J. Affran (notary seal) Signature/Seal
LESLIE F. HOFFMANN Commission # 1971953 Notary Public - California Santa Clara County My Comm. Expires Mar 12, 2016

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Second Inventor-Notarization:
STATE OF CALIFORNIA) ss. COUNTY OF SANTA CLARA) On this /2 day of February, 2015, before me, Les/ie F, Hoffman a Notary Public, State of California, duly commissioned and sworn, personally appeared, Jagdeep Bal, who proved to me on the basis of satisfactory evidence to be the person whose name is/are subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on this instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
Witness my hand and official seal: Signature/Seal (notary seal)
LESLIE F. HOFFMANN Commission # 1971953 Notary Public - California Santa Clara County My Comm. Expires Mar 12, 2016

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Patent Application Docket No.: IDT-3008-UT