## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Chao-Ping Huang	01/25/2008

#### **RECEIVING PARTY DATA**

Name:	National Semiconductor Corporation	
Street Address:	2900 Semiconductor Drive	
City:	Santa Clara	
State/Country:	CALIFORNIA	
Postal Code:	95051	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11523123

### **CORRESPONDENCE DATA**

(408)938-9069 Fax Number:

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

Phone: 408-938-9060

Email: officeaction@mhbpatents.com Correspondent Name: MURABITIO HAO & BARNES LLP

Address Line 1: 2 North Market Street

Address Line 2: 3rd Floor

Address Line 4: San Jose, CALIFORNIA 95112

ATTORNEY DOCKET NUMBER:	NSC-P06597
NAME OF SUBMITTER:	James P. Hao

Total Attachments: 2 source=6597#page1.tif

500451474

source=6597#page2.tif

**PATENT** REEL: 020434 FRAME: 0621

Attorney Docket No.: NSC-P06597

# **Assignment to National Semiconductor Corporation**

In consideration of good and valuable consideration, receipt of w Mark D. KUHNS, Daniel L. SIMON, Chao-Ping HUAN	hich is hereby acknowledged, I/we			
do hereby sell, assign, and transfer unto National Semiconductor Corporation (hereinafter called National Semiconductor), a Delaware Corporation having its principal place of business at 2900 Semiconductor Drive, Santa Clara, CA 95051, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:				
NUMERICALLY CONTROLLED OSCILLATOR (NCO) OUTPUT	CLOCK PHASE SMOOTHING			
filed herewith and the inventions set forth and described the United States and of countries foreign thereto which may be	erein, and any and all Letters Patent of the e granted thereon or therefor; or			
X Serial No.: 11/523,123 filed on 09/18/2006 and described therein, and any and all Letters Patent of t which may be granted thereon or therefor;	and the inventions set forth ne United States and of countries foreign thereto			
And for the above consideration, I/we agree promptly upon request of National Semiconductor, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to National Semiconductor, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by National Semiconductor.				
I/we further covenant with National Semiconductor, its succe assignment, grant, mortgage, license, or other agreement affe been made to others by the undersigned, and that full right to c by the undersigned;	cting the rights and property herein conveyed has			
In witness whereof, I/we hereunto set my/our hand(s) and seal:				
Inventor's Signature:  Mark D. KUHNS	Date:			
State of				
County of				
Before me this day of personally who is personally known or proved to me on the who acknowledged the foregoing instrument of assignment to be	appearede basis of satisfactory evidence to be the person e his or her free act and deed.			
Notary Stamp/Seal Notary	/ Public			

rev. 11/97 epn

Inventor's Signature:  Daniel L. S	Date:
State of	
Before me this day of who is personally known or who acknowledged the foregoing instrume	personally appeared proved to me on the basis of satisfactory evidence to be the person ent of assignment to be his or her free act and deed.
Notary Stamp/Seal	Notary Public
Inventor's Signature: Chao-Pin	Date: JANUARY 25, 2008)
State of MISSOURI	
County of Moon	
Before me this personally known or who acknowledged the foregoing instruments	personally appeared how how her free act and deed.
DEBORAH LYNN D. Notary Public-Notar Notary Stamp/Seal State of Missouri, Jacks Commission # 0799	on County Notary Public

rev. 11/97 epn