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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yann Le Guillou	01/31/2011

RECEIVING PARTY DATA

Name:	NXP B.V.
Street Address:	High Tech Campus 60
City:	Eindhoven
State/Country:	NETHERLANDS
Postal Code:	NL-5656 AG

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13060914

CORRESPONDENCE DATA

Fax Number: (408)518-5671 **Phone**: 3474431592

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: David L. Schaeffer

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Address Line 2: NXP Semiconductors, IP&L
Address Line 4: San Jose, CALIFORNIA 95134

NAME OF SUBMITTER: David L. Schaeffer

Total Attachments: 1

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PATENT REEL: 028283 FRAME: 0580 CH \$40.00 130609

SOLE ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I, as a below-named Assignor, hereby sell, assign, and transfer the entire and exclusive right, title, and interest in the following to **NXP B.V.**, having a place of business at High Tech Campus 60, NL-5656 AG, Eindhoven, NL, and its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

- (1) my invention relating to "PHASE-DETECTOR FOR DETECTING PHASE DIFFERENCE OF ^{IJ/2N}" for which an EP patent application was filed in the European Patent Office on 27 August, 2008, having a Serial Number 08290802.1, and a PCT Application filed on 25 August, 2009 (which claim the priority of EP08290802.1) having a Patent Application No. PCT/IB2009/053733, and;
- (2) the foregoing applications and all other United States, foreign and international patent applications associated therewith, based thereon, or claiming priority there from including, but not limited to, any and all provisional's, non-provisional's, divisions, continuations, continuations-in-part, re-examinations, reissues, and extensions thereof, and
- (3) the right to claim priority thereto, and the entire and exclusive right, title, and interest in and to any and all patents granted on these applications.

I authorize and request that the Patent Office officials in the United States and in any and all foreign countries to issue any and all Letters Patent when granted, solely to NXP B.V., for its sole use, and that of its successors, assigns, and legal representatives.

I will provide our cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutional actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee.

I certify that we have the full right to convey the above rights.

RECORDED: 05/29/2012

31/01/12011		, Assigno
Date	Yann LE GUILLOU	

PATENT REEL: 028283 FRAME: 0581