PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
S. Ganesh	01/06/2011
Pushparaj Dominic	01/06/2011

RECEIVING PARTY DATA

Name:	NXP B.V. INTELLECTUAL PROPERTY & LICENSING	
Street Address:	M/S41-SJ	
Internal Address:	1109 McKay Drive	
City:	San Jose	
State/Country:	CALIFORNIA	
Postal Code:	95131	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13004215

CORRESPONDENCE DATA

Fax Number: (408)474-9067

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

Phone: 408-434-3000

Email: ip.department.us@nxp.com

Correspondent Name: NXP, B.V. NXP INTELLECTUAL PROPERTY & LI

Address Line 1: M/S41-SJ

Address Line 2: 1109 MCKAY DRIVE

Address Line 4: SAN JOSE, CALIFORNIA 95131

ATTORNEY DOCKET NUMBER:	81407494US01
NAME OF SUBMITTER:	Terry W.Kramer

Total Attachments: 2

source=NXP 3120 filed assignment#page1.tif

PATENT REEL: 025618 FRAME: 0830 P \$40.00 130

501402736

source=NXP 3120 filed assignment#page2.tif

PATENT REEL: 025618 FRAME: 0831

	RM COVER SHEET SONLY
	e record the attached documents or the new address(es) below.
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
S. Ganesh	Name: NXP B.V. Intellectual Property & Licensing
Pushparaj Domínic	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No. 3. Nature of conveyance/Execution Date(s): Execution Date(s) Assignment Begger Security Agreement Change of Name	Street Address: M/S41-SJ 1109 McKay Drive City: San Jose
Security Agreement Change of Name Joint Research Agreement	
Government Interest Assignment Executive Order 9424, Confirmatory License	State:ca Zip:95131
Other 4. Application or patent number(s):	Additional name(s) & address(es) attached? Yes No
Additional numbers at	ached? Yes No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name:	
Internal Address:	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Street Address:	Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
City:	8. Payment Information
State: Zip:	
Phone Number:	
Fax Number:	Deposit Account Number _500578
Email Address:	Authorized User Name 1554
9. Signature: 1000 Manual Signature	January 10 2010 Date
Terry W. Kramer Name of Person Signing	Total number of pages including cover sheet, attachments, and documents:

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Docket No.: 81407494US01

JOINT ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, We, 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.INTELLECTUAL PROPERTY & LICENSING, having a place of business at M/S41-SJ, 1109 McKay Drive, San Jose, CA 95131 its successors, assigns, and legal representatives, including any nominees (collectively "the Assignce"):

LICENSING, having a place of business at M/S41-SJ, 1109 McKay Drive, San Jose, CA 95131 its successors, assigns, and legal representatives, including any nomineos (collectively "the Assignce"):
(1) our invention relating to "MPEG CLOCK RECOVERY MECHANISM" [for which an application for United States patent was filed on, Application Number, and [] for which an application for a United States Patent was executed on, for which an EP provisional patent application was filed in the European Patent Office on, having a Scrial Number
(2) the foregoing application 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.
We 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.
We 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, We 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.
The undersigned hereby grant the firm of Kramer Amado, P.C. the power to insert on this document any identification which may be necessary or desired to reference the property being transferred under the rules of the United States Patent and Trademark Office for recordation purposes.
We certify that we have the full right to convey the above rights.
Date S. Ganesh , Assignor
Date S. Ganesh

PATENT REEL: 025618 FRAME: 0833

RECORDED: 01/11/2011