505136722 10/11/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ROBERT RUTTEN	09/17/2018
MASSIMO CIACCI	09/17/2018
MANFRED ZUPKE	09/28/2018
SOHEIL BAHRAMI	09/28/2018
LUCIEN JOHANNES BREEMS	10/03/2018
JOHANNES HUBERTUS ANTONIUS BREKELMANS	10/10/2018
MUHAMMED BOLATKALE	10/11/2018
SHAGUN BAJORIA	10/05/2018

RECEIVING PARTY DATA

Name:	NXP B.V.
Street Address:	HIGH TECH CAMPUS 60
City:	EINDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5656-AG

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16157355

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	ROBERT J. CRAWFORD
SIGNATURE:	/Robert J. Crawford/

PATENT 505136722 REEL: 047132 FRAME: 0823

DATE SIGNED:	10/11/2018
Total Attachments: 9	
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source=82105026US01_Assignment_B	ajoria_signed#page2.tif

For good and valuable consideration, receipt of which is hereby acknowledged, we, as below-named Assignor/s, 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, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) our invention relating to "SIGNAL PROCESSING AND CONVERSION" for which the following patent application(s) has/have been filed (we hereby authorize and request my/our attorneys associated with U.S. Patent & Trademark Office Customer Number 65913 to insert below the filing date and application number of the U.S. application when known):

Country Application No. Filing Date (mm/dd/yyyy) Claims Priority of

- (2) the foregoing application(s) 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 provisionals, non-provisionals, 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.

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

17-9-2010 Date	Robert Rutten	
Date	Massimo Ciacci	, Assignor
Date	Manfred Zupke	, Assignor
	<u>-</u>	, Assignor
Date	Lucien Johannes Breems	
Date	Johannes Hubertus Antonius Brekelmans	, Assignor

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A		, Assignor
Date	Robert Rutten	
2018/9/17	Man = Ger	, Assignor
Date	✓Massimo Ciacci	
		, Assignor
Date	Manfred Zupke	
		, Assignor
Date	Lucien Johannes Breems	
Date	Johannes Hubertus Antonius Brekelmans	······································

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Date	Massimo Ciacci	
		, Assignor
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3/10/2018		, Assignoi
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Date	Massimo Ciacci	
***************************************		, Assignor
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Date	Lucien Johannes Breems	
10/10/2018	Paukelinus	, Assignor
Date	Johannes Hubertus Antonius Brekelmans	

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11.001.2018	a pun	, Assignor
Date	Muhammud Bolatkale	
Date	Shagun Bajoria	, Assígnor
Date	Soheil Bahrami	, Assignor

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		, Assignor
Date	Muljammed Bolatkale	
5th Oct 2018	Lhogun Bjars	, Assignor
Date	- Shagun-(Bajoria	•
		, Assignor
Date	Soheil Bahrami	-