

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4487854

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KRIT PANUSOPONE	06/16/2017
KOOHYAR MINOO	06/18/2017
YUE YU	06/16/2017
LIMIN WANG	06/22/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARRIS ENTERPRISES LLC
<b>Street Address:</b>	3871 LAKEFIELD DRIVE
<b>City:</b>	SUWANEE
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30024
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15605898
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Phone:</b>	(215) 323-1086
<b>Email:</b>	arrisdocketing@arris.com
<b>Correspondent Name:</b>	ARRIS ENTERPRISES, LLC LEGAL DEPT - DOCK
<b>Address Line 1:</b>	101 TOURNAMENT DRIVE
<b>Address Line 4:</b>	HORSHAM, PENNSYLVANIA 19044
<b>ATTORNEY DOCKET NUMBER:</b>	ARR01108
<b>NAME OF SUBMITTER:</b>	LORI ANNE D. SWANSON
<b>SIGNATURE:</b>	/Lori Anne D. Swanson/
<b>DATE SIGNED:</b>	06/30/2017
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

WHEREAS we, Krit Panusopone, Koohyar Minoo, Yue Yu, Limin Wang, (hereinafter collectively referred to as ASSIGNOR), have invented certain inventions and improvements entitled "Weighted Angular Prediction for Intra Coding" disclosed in Patent Application Number 15605898 filed in the United States Patent and Trademark Office on May 25, 2017; and as described, illustrated and claimed in the following applications: U.S. Provisional Application No. 62/341210, filed on May 25, 2016 and U.S. Provisional Application No. 62/481285, filed on April 4, 2017, and;

WHEREAS, ARRIS Enterprises LLC, a limited liability company formed under the laws of Delaware, having a principal place of business at 3871 Lakefield Drive, Suwanee, Georgia 30024 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to, and under said invention and the United States Letters Patent to be obtained therefore:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign, and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefore on said patent application, design patent application, or any continuation, continuation-in-part, divisional, reexamination, renewal, substitute, or reissue thereof and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world for said invention for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNOR will promptly provide ASSIGNEE, upon its request, with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

*[Handwritten Signature]*

DATE JUNE 16, 2017

**Krit Panusopone**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of the document.

State of California )

County of San Diego )ss

On June 16, 2017, before me, Sandra Jenkins, Notary Public  
Date Name of Notary Public

personally appeared Krit Panusopone  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sandra Jenkins  
Signature of Notary Public



Place Notary Seal Above

6/18/2017  
Date

*K Minoo*  
Koohyar Minoo

WITNESS#1: *[Signature]* DATE: 6, 18, 2017  
Signature

Soroush Sagheb  
Printed

WITNESS#2: *[Signature]* DATE: 6-8-2017  
Signature

Shadi Sagheb  
Printed



Limin Wang DATE 06/22/2017  
Limin Wang

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of the document.

State of California )

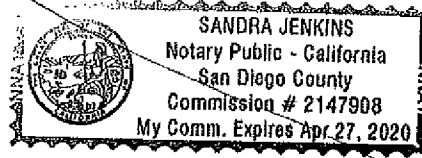
County of San Diego )ss

On June 22, 2017, before me, Sandra Jenkins, Notary Public  
Date Name of Notary Public  
personally appeared Limin Wang  
Name(s) of Signer(s)

Who proved to me on the basis of satisfactory evidence to be the person(s) who name(s) is are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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 Sandra Jenkins  
Signature of Notary Public

Place Notary Seal Above