

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3965445

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Yan Chen	07/01/2016
Hang Ma	07/05/2016
Yi Han	06/27/2016
Hung-Quoc Duc Lai	07/01/2016
K. J. Ray Liu	06/27/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ORIGIN WIRELESS, INC.
<b>Street Address:</b>	7500 GREENWAY CENTER DRIVE, SUITE 1070
<b>City:</b>	GREENBELT
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20770
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15004335
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<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>	(617) 542-5070
<b>Email:</b>	APSI@fr.com
<b>Correspondent Name:</b>	REX I. HUANG
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	37502-0011002
<b>NAME OF SUBMITTER:</b>	LAKEISHA BRYANT
<b>SIGNATURE:</b>	/Lakeisha Bryant/
<b>DATE SIGNED:</b>	07/18/2016
<b>Total Attachments: 5</b>	

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, YAN CHEN, HANG MA, YI HAN, HUNG QUOC DUC LAI, K. J. RAY LIU, and KATHERINE L. HALL, each individually assign to ORIGIN WIRELESS, INC., a corporation formed under the laws of Delaware and having a principal place of business at 223 Newbury Street, Boston, MA 02116, and its successors, transferees, and assignees (collectively the “Assignee”), all of our individual and joint right, title, and interest throughout the world in the subject matter (the “Subject Matter”) of a patent application that names us as inventors, is titled “TIME-REVERSAL TECHNOLOGIES FOR HYBRID WIRELESS NETWORKS,” and was filed in the United States Patent and Trademark Office on January 22, 2016, as application 15/004,335 (the “Application”).

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors’ certificates for, any of the Subject Matter (collectively the “Applications and Granted Rights”) in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee’s name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee’s name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Chen Yan  
Yan Chen

Date: 2016-7-1

Witnessed by:

Signature: [Signature]

Date: 2016-7-1

Print Name: YANG HU

Signature: [Signature]

Date: 2016-7-1

Print Name: JINSHENG HU

\_\_\_\_\_  
Hang Ma

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

\_\_\_\_\_  
Yan Chen

Date: \_\_\_\_\_

Witnessed by:

Signature: \_\_\_\_\_

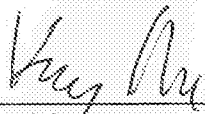
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Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

  
\_\_\_\_\_  
Hang Ma

Date: 07/05/2016

Witnessed by:

Signature:  \_\_\_\_\_

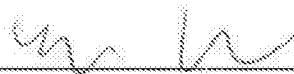
Date: 07/05/2016

Print Name: Yang Meng

Signature:  \_\_\_\_\_

Date: 07/05/2016

Print Name: SHENGJIE XIE

  
Yi Han

Date: 06/27/16

Witnessed by:

Signature: 

Date: 6/27/16

Print Name: Beibei Wang

Signature: 

Date: 6/27/16

Print Name: Feng Zhang

  
Hung Quoc Duc Lai

Date: 07/01/16

Witnessed by:

Signature: 

Date: 7/1/16

Print Name: YI HAN

Signature: 

Date: 7/1/16


Print Name: Beibei Wang



K. J. Ray Liu

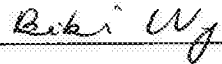
Date: 6/27/2016

Witnessed by:

Signature: 

Date: 6/27/16

Print Name: YI HAN

Signature: 

Date: 6/27/16

Print Name: Beibei Wang

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: ORIGIN WIRELESS, INC.

Signature: 

Date: 7/6/2016

Name: Beibei Wang

Title: Principle Technologist and Director of Intellectual Properties

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