### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
VARADARAJAN GOPALAKRISHNAN	05/02/2016
ANDREW DAVID PRICE	05/03/2016
IN CHUL HYUN	05/03/2016
JIN DONG KIM	05/02/2016
SUBRAM NARASIMHAN	05/02/2016

#### **RECEIVING PARTY DATA**

Name:	AMAZON TECHNOLOGIES, INC.
Street Address:	PO BOX 81226
City:	SEATTLE
State/Country:	WASHINGTON
Postal Code:	98108-1226

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15154327

### **CORRESPONDENCE DATA**

Fax Number:

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.

**Phone:** 97355972500

Email: tkellogg@lowenstein.com
Correspondent Name: LOWENSTEIN SANDLER

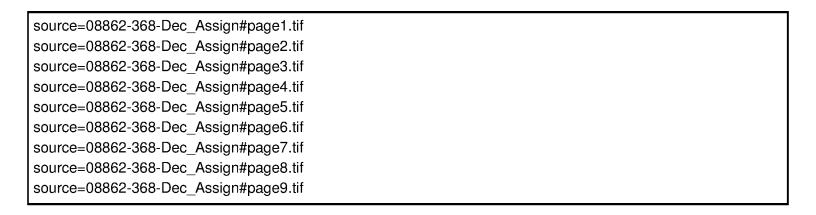
Address Line 1: PATENT DOCKET ADMINISTRATOR

Address Line 2: 65 LIVINGSTON AVENUE

Address Line 4: ROSELAND, NEW JERSEY 07068

ATTORNEY DOCKET NUMBER:	08862.368 (L0368)
NAME OF SUBMITTER:	KEVIN O. GRANGE
SIGNATURE:	/Kevin O. Grange/
DATE SIGNED:	05/13/2016

**Total Attachments: 9** 



U.S. Patent Appln. No.	Attorney Docket No. <u>08862.368 (L0368)</u>
Filing Date	Client Docket No. <u>P31544-US</u>
PARTIES TO THE ASSIGNMENT	
Assignor(s):	
Varadarajan Gopalakrishnan	
410 Terry Avenue North	
Seattle, WA 98109-5210	
Andrew David Price	
410 Terry Avenue North	
Seattle, WA 98109-5210	
In Chul Hyun	
410 Terry Avenue North	
Seattle, WA 98109-5210	
Jin Dong Kim	
410 Terry Avenue North	
Seattle, WA 98109-5210	
Subram Narasimhan	
410 Terry Avenue North	
Seattle, WA 98109-5210	
Assignee:	
Amazon Technologies, Inc. PO Box 81226	
Seattle, WA 98108-1226	
AGREEMENT	
WHEREAS, ASSIGNOR(S) (listed above) are inventional to the state of th	ntor(s) of an invention entitled
"NETWORK HARDWARE DEVICES ORGANIZED IN A W	IRELESS MESH NETWORK FOR CONTENT
DISTRIBUTION TO CLIENT DEVICES HAVING NO INTERNE	T CONNECTIVITY" (Invention) for which a
non-provisional application for United States Letters Pa	tent (Application):
was filed on and accorded U.S.	Application No or
will be filed concurrently with the submission	on of this executed PATENT ASSIGNMENT
for recordation	

Page 1 of 9

U.S. Patent Appln. No	Attorney Docket No. <u>08862.368 (L0368)</u>
Filing Date	Client Docket No. <u>P31544-US</u>

Title of Invention: <u>NETWORK HARDWARE DEVICES ORGANIZED IN A WIRELESS MESH NETWORK</u> FOR CONTENT DISTRIBUTION TO CLIENT DEVICES HAVING NO INTERNET CONNECTIVITY

Inventors: Varadarajan Gopalakrishnan, Andrew David Price, In Chul Hyun, Jin Dong Kim, Subram Narasimhan

WHEREAS, ASSIGNEE, a corporation of the State of Nevada, is desirous of acquiring the entire right, title and interest in and to the Invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said Application and any and all letters patent which may be granted for said Invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all provisional, divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said Application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, Application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks, as well as all other applicable patent offices

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U.S. Patent Appln. No	Attorney Docket No. <u>08862.368 (L0368</u>		
Filing Date	Client Docket No. P31544-US		

Title of Invention: <u>NETWORK HARDWARE DEVICES ORGANIZED IN A WIRELESS MESH NETWORK</u> FOR CONTENT DISTRIBUTION TO CLIENT DEVICES HAVING NO INTERNET CONNECTIVITY

Inventors: Varadarajan Gopalakrishnan, Andrew David Price, In Chul Hyun, Jin Dong Kim, Subram Narasimhan

throughout the world, to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefor.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said Application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the Application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all rightful oaths and/or declarations in connection with the Application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid ASSIGNEE, its

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J.S. Patent Appin. No	Attorney Docket No. <u>U8862.368 (LU368)</u>
Filing Date	Client Docket No. <u>P31544-US</u>
	ARE DEVICES ORGANIZED IN A WIRELESS MESH NETWORK NT DEVICES HAVING NO INTERNET CONNECTIVITY
nventors: <b>Varadarajan Gopalakrishn</b> Subram Narasimhan	an, Andrew David Price, In Chul Hyun, Jin Dong Kim,
successors, legal representatives and	assigns, to obtain and enforce proper patent protection for
the Invention in all countries. The	ese provisions are binding upon ASSIGNOR's heirs, legal
representatives, administrators, and	assigns.

U.S. Patent Appln. No	Attorney Docket No. <u>08862.368 (L0368)</u>
Filing Date	Client Docket No. <u>P31544-US</u>
	DEVICES ORGANIZED IN A WIRELESS MESH NETWORK EVICES HAVING NO INTERNET CONNECTIVITY
Inventors: Varadarajan Gopalakrishnan, a Subram Narasimhan	Andrew David Price, In Chul Hyun, Jin Dong Kim,
DECLARATION	
As a below named inventor, I hereby decl	are that:
This declaration is directed to:	
the attached application; or	
United States Patent Applicati	ion number filed on; or
PCT International Application	number filed on
The above-identified application was mad	le or authorized to be made by me.
I believe that I am the original inventor or	an original joint inventor of a claimed Invention in the
application.	
I have reviewed and understand the cont	ents of the above-identified application, and
acknowledge the duty to disclose to the U	JS Patent & Trademark Office all information known to
me to be material to the patentability as	defined in 37 CFR 1.56.
-	e statement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonme	ent of not more than five (5) years, or both.
Docusigned by:  Naradarajan Gopalakrishnan/	
Varadarajan Gopalakrishnan	
May 2, 2016	
Date	

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U.S. Patent Appln. No	Attorney Docket No. <u>08862.368 (L0368)</u>
Filing Date	Client Docket No. <u>P31544-US</u>
Title of Invention: <u>NETWORK HARDWARE DEVICES OR</u> FOR CONTENT DISTRIBUTION TO CLIENT DEVICES HAV	
Inventors: <mark>Varadarajan Gopalakrishnan, Andrew Da</mark> Subram Narasimhan	vid Price, In Chul Hyun, Jin Dong Kim,
DECLARATION	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
the attached application; or	
United States Patent Application number	filed on; or
PCT International Application number	filed on
The above-identified application was made or author	rized to be made by me.
I believe that I am the original inventor or an original application.	joint inventor of a claimed Invention in the
I have reviewed and understand the contents of the	above-identified application, and
acknowledge the duty to disclose to the US Patent $\&$	Trademark Office all information known to
me to be material to the patentability as defined in 3	37 CFR 1.56.
I hereby acknowledge that any willful false statemen	t made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of not m	nore than five (5) years, or both.
Docusigned by:  1 Andrew David Price1	
Andrew David Price	
May 3, 2016	
Date	

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U.S. Patent Appln. No	i	Attorney Docket No. <u>0886</u>	52.368 (L0368)
Filing Date		Client Docket N	lo. <u>P31544-US</u>
Title of Invention: <u>NETWORK HARDWARE</u> FOR CONTENT DISTRIBUTION TO CLIENT D			
Inventors: <b>Varadarajan Gopalakrishnan</b> , s <b>Subram Narasimhan</b>	Andrew David P	rice, In Chul Hyun, Jin Do	ng Kim,
<u>DECLARATION</u>			
As a below named inventor, I hereby decl	are that:		
This declaration is directed to:			
the attached application; or			
United States Patent Application	ion number	filed on	; or
PCT International Application	number	filed on	<b></b> ·
The above-identified application was made of the latest that I am the original inventor or application.			vention in the
I have reviewed and understand the cont	ents of the abov	e-identified application, a	ind
acknowledge the duty to disclose to the L	JS Patent & Trad	lemark Office all informat	ion known to
me to be material to the patentability as defined in 37 CFR 1.56.			
I hereby acknowledge that any willful fals under 18 USC 1001 by fine or imprisonme		•	
Docusigned by:  In Chul Hym/  **ESESTSAESSSA44B:::-			
In Chul Hyun			
May 3, 2016			
Date			

U.S. Patent Appln. No	Attorney Docket No. <u>08862.368 (L0368)</u>
Filing Date	Client Docket No. <u>P31544-US</u>
Title of Invention: <u>NETWORK HARDWARE DEFOR CONTENT DISTRIBUTION TO CLIENT DEV</u>	VICES ORGANIZED IN A WIRELESS MESH NETWORK ICES HAVING NO INTERNET CONNECTIVITY
Inventors: <b>Varadarajan Gopalakrishnan</b> , <b>Ar</b> <b>Subram Narasimhan</b>	drew David Price, In Chul Hyun, Jin Dong Kim,
DECLARATION	
As a below named inventor, I hereby declar	e that:
This declaration is directed to:	
igstyle igstyle igstyle the attached application; or	
United States Patent Application	number filed on; or
PCT International Application nu	mber filed on
The above-identified application was made	or authorized to be made by me.
I believe that I am the original inventor or a application.	n original joint inventor of a claimed Invention in the
I have reviewed and understand the conten	ts of the above-identified application, and
acknowledge the duty to disclose to the US	Patent & Trademark Office all information known to
me to be material to the patentability as de	fined in 37 CFR 1.56.
I hereby acknowledge that any willful false :	statement made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment	of not more than five (5) years, or both.
Jin Dong Lim/	
Jin Dong Kim	
May 2, 2016	
Date	

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U.S. Patent Appin. No	Attorney Docket No. <u>U8862.368 (LU368)</u>
Filing Date	Client Docket No. <u>P31544-US</u>
Title of Invention: <u>NETWORK HARDWARE DEVICES</u> FOR CONTENT DISTRIBUTION TO CLIENT DEVICES H	
Inventors: <b>Varadarajan Gopalakrishnan, Andrew</b> Subram Narasimhan	David Price, In Chul Hyun, Jin Dong Kim,
<u>DECLARATION</u>	
As a below named inventor, I hereby declare that	::
This declaration is directed to:	
igotimes the attached application; or	
United States Patent Application num	ber; or
PCT International Application number	filed on
The above-identified application was made or au	thorized to be made by me.
I believe that I am the original inventor or an orig	inal joint inventor of a claimed Invention in the
I have reviewed and understand the contents of t	the above-identified application, and
acknowledge the duty to disclose to the US Pater	it & Trademark Office all information known to
me to be material to the patentability as defined	in 37 CFR 1.56.
I hereby acknowledge that any willful false staten	nent made in this declaration is punishable
under 18 USC 1001 by fine or imprisonment of no	ot more than five (5) years, or both.
Subram Narasimbaw/ Subram Narasimbaw/ Subram Narasimban	
Subram Narasimhan	
May 2, 2016	
Date	

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