

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3823250

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SANKAR SHANMUGAM	04/04/2016
SIVAGNANALINGAM SIVAGANESH	04/04/2016
MOORTHY SENGOTTAIYAN	04/08/2016
MANMEET KAUR	04/05/2016
MUHAMMAD SALMAN ALI	04/05/2016
PETRI VIRKKULA	04/05/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VERIZON PATENT AND LICENSING INC.
<b>Street Address:</b>	ONE VERIZON WAY
<b>City:</b>	BASKING RIDGE
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07920
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15094613
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(571)432-0808
<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>	5714320800
<b>Email:</b>	aboice@harrityllp.com
<b>Correspondent Name:</b>	HARRITY & HARRITY, LLP
<b>Address Line 1:</b>	11350 RANDOM HILLS ROAD
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<b>Address Line 4:</b>	FAIRFAX, VIRGINIA 22030
<b>ATTORNEY DOCKET NUMBER:</b>	20150689
<b>NAME OF SUBMITTER:</b>	N
<b>SIGNATURE:</b>	/Neil R. Kardos, Reg. No. 67,238/
<b>DATE SIGNED:</b>	04/11/2016
This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT

**Total Attachments: 6**

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**DECLARATION AND ASSIGNMENT  
FOR PATENT APPLICATION**

Patent Application Title: INCREASING AN EFFICIENCY OF A FILE TRANSFER BY USING MULTIPLE COMMUNICATION RESOURCES

the patent application for which:

☒ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  
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Declaration of Inventor

As the below named inventor, I hereby declare that:

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- I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced application; and
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

A. I hereby assign to the Verizon legal entity identified below ("Assignee"), including its successors and assigns, my entire worldwide right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application, as well as in and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional or other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said inventions or ideas, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.

B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that I will execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assignee (or its successors and/or assigns) without compensation (but at Assignee's expense); (iii) that I appoint Assignee (acting through its representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights, with full authority in my place and stead and in my name to take any action and to execute any document which Assignee may deem reasonably necessary or advisable to accomplish the purposes of this assignment, including the execution and filing of the papers identified in part (ii) in my name where permitted by law; (iv) to communicate to Assignee, its successors, assigns, representatives and agents, all facts known to me relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Sankar SHANMUGAM

Address: 108 Benjamin Court, Dayton, NJ 08810 US

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

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

4/4/16

# DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: INCREASING AN EFFICIENCY OF A FILE TRANSFER BY USING MULTIPLE COMMUNICATION RESOURCES

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ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US

IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Sivagnanalingam SIVAGANESH

Address: 10 Braxton Drive, Belle Mead, NJ 08502 US

Signature:  Date: 04/04/2014

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IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Moorthy SENGOTTAIYAN

Address: 150 Nantwich Court, Somerset, NJ 08873 US

Signature:  Date: 1/8/2016

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Full legal name of Inventor: Manmeet KAUR

Address: 24 Hancock Lane, Manalapan, NJ 07726 US

Signature:  Date: 4/5/16

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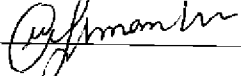
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IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:

Full legal name of Inventor: Muhammad Salman ALI

Address: 4 Talls Oaks Court, Old Bridge, New Jersey 08857 US

Signature:  Date: 4/5/2016

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Full legal name of Inventor: Petri VIRKKULA

Address: 20 Matthew Avenue, Kendall Park, NJ 08824 US

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

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

4/5/2016