

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT8245560

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT ELLIOT TILLMAN	09/26/2023
PRASHANT P. REDDY	09/27/2023
MARIA MANUELA VELOSO	10/27/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JPMORGAN CHASE BANK, N.A.
<b>Street Address:</b>	383 MADISON AVENUE
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10179
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17407454
<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>	6785532322
<b>Email:</b>	gtipmail@gtlaw.com
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<b>Address Line 1:</b>	77 WEST WACKER DRIVE, SUITE 3100
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<b>ATTORNEY DOCKET NUMBER:</b>	052227.500556
<b>NAME OF SUBMITTER:</b>	ROBERT A. KING
<b>SIGNATURE:</b>	/ROBERT A. KING/
<b>DATE SIGNED:</b>	10/27/2023
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

WHEREAS, WE, Robert Elliott TILLMAN; Prashant P. REDDY; and Maria Manuela VELOSO; have invented, developed, and/or have rights in the invention(s) (hereinafter "Inventions") disclosure in patent applications entitled:

**SYSTEMS AND METHODS FOR HEURISTICS-BASED  
LINK PREDICTION IN MULTIPLEX NETWORKS**

filed in the United States on August 20, 2021 and accorded Application No. 17/407,454 hereinafter "Applications"); and

WHEREAS, JPMorgan Chase Bank, N.A., a corporation organized under the laws of the United States of America and the State of Ohio, and having a place of business at 383 Madison Avenue, New York, NY 10179 (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in and to the Inventions and in and to the Applications.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee and its successors and assigns, our entire right, title and interest, worldwide, in and to the Inventions and the Applications, and all patents and applications, worldwide, claiming priority to and/or benefit of, directly or indirectly, or based in whole or in part on, said Applications and/or said Inventions, including continuations, continuations-in-part, divisionals, reissues, reexaminations, renewals, substitutes, and extensions thereof, and any international and regional applications, based in whole or in part on any of the aforesaid applications or in whole or in part on said Inventions, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all utility-model registrations, inventor's certificates, and the like heretofore or hereafter filed, worldwide, for the Inventions, and in and to any and all patents (including all extensions, renewals, reexaminations and reissues thereof), worldwide, which have been or may be granted on any of the aforesaid applications or on said Inventions or any parts thereof.

AND WE HEREBY covenant and agree for myself and my heirs, executors and administrators that we will communicate to Assignee any facts known to us respecting the Inventions and the aforementioned applications, sign all lawful papers, testify in any legal proceeding, make all rightful oaths, and take any other actions that may be necessary or desirable to secure to Assignee its right, title, and interest in and to the aforementioned patents, applications and Inventions, and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for the Inventions and the aforementioned patents and applications;

AND WE HEREBY agree to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said applications, or in the preparation or prosecution of any continuation, continuation-in-part, divisional, substitute, renewal, reexamination or reissue applications or in any amendments, extensions or interference

proceedings, or other applications for patents or similar rights of any region or country, that may be necessary to secure to Assignee its interest and title in and to said Inventions or any parts thereof, and in and to said applications and patents;

**AND WE HEREBY** authorize and request our agents, GREENBERG TRAUIG LLP, whose address is 3333 Piedmont Road, NE, Atlanta, GA 30305, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said Applications when known;

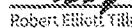
**AND WE HEREBY** covenant for ourselves and our legal representatives, and agree with said Assignee, its successors and assigns, that we have the full right to convey the entire interest herein assigned, and that we have granted no right or license to make, use, sell or offer to sell said Inventions, to anyone except said Assignee, that prior to the execution of this deed, our right, title and interest in said Inventions and said Applications had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

**AND WE HEREBY** authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to issue any and all letters patents which may be granted upon said United States and foreign applications or upon the Inventions to the Assignee.

- SIGNATURES BEGIN ON NEXT PAGE -

IN WITNESS WHEREOF, we have executed this Assignment as of the date set forth below.

**Robert Elliott TILLMAN**

Signature:  \_\_\_\_\_  
Robert Elliott Tillman (Sep 26, 2023 21:24 EDT)

Date: 09/26/2023

**Prashant P. REDDY**

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

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

**Maria Manuela VELOSO**

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

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

IN WITNESS WHEREOF, we have executed this Assignment as of the date set forth below.

**Robert Elliott TILLMAN**

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

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

**Prashant P. REDDY**

Signature: Prashant P. Reddy  
Prashant P. Reddy (Sep 27, 2023 00:20 EDT)

Date: 09/27/2023

**Maria Manuela VELOSO**

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

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

IN WITNESS WHEREOF, we have executed this Assignment as of the date set forth below.

**Robert Elliott TILLMAN**

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

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

**Prashant P. REDDY**

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

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

**Maria Manuela VELOSO**

Signature: Maria Manuela Veloso  
Maria Manuela Veloso (Oct 27, 2023 1:04:46 EDT)

Date: 10/27/2023