PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STIAN K.J. LYSNE	06/03/2015
MICHAEL PELLEGRINI	06/02/2015
BJORN A. LAUKLI	06/03/2015

RECEIVING PARTY DATA

Name:	RAKUTEN USA, INC.
Street Address:	215 PARK AVENUE SOUTH
Internal Address:	9TH FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10003

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14730964

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	246929.000005
NAME OF SUBMITTER:	SCOTT D BARNETT
SIGNATURE:	/Scott D. Barnett/
DATE SIGNED:	06/04/2015

Total Attachments: 4

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ASSIGNMENT

WHEREAS we, LYSNE, Stian K.J., residing at 176 Park Avenue, Arlington, MA 02476, Michael Pellegrini, 120 Wyllis Avenue, Unit 108, Everett, MA 02149 and Bjorn A. Laukli, residing at 125 Sligo Road, Yarmouth, ME 04096, citizens of the United States of America (hereinafter referred to as the "ASSIGNORS"), have invented certain new and useful improvements in SYSTEMS AND METHODS OF MODELING OBJECT NETWORKS for which we have executed an application for Letters Patent of the United States on June 04, 2015 as Application Serial No. 14/730,964 and whereas Rakuten USA, Inc., having an office and principal place of business at 215 Park Avenue South, 9th Floor, New York, New York, 10003 (hereinafter referred to as the "ASSIGNEE"), is desirous of obtaining the entire right, title and interest in, to and under the improvements and the application;

NOW, THEREFORE, for good and valuable consideration paid by ASSIGNEE to ASSIGNORS, the receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto ASSIGNEE, it's successors, legal representatives and assigns, the entire right, title and interest in, to and under the improvements, and the application and all divisions, renewals, substitutes and continuations thereof, and all Letters Patent of the United States that may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent and any legal equivalent thereof, including the right to claim priority, that have been or may hereafter be filed for the improvements in any country or countries foreign to the United States, and all Letters Patent and any legal equivalent thereof that may be granted for the improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof, the same to be held and enjoyed by ASSIGNEE for its own use and benefit and for the use and benefit of its successors, assigns or other legal representatives fully and entirely as if the same would have been held and enjoyed by ASSIGNORS if this Assignment had not been made, to the end of the term or terms for which any Letters Patent and any legal equivalent thereof may be granted;

AND ASSIGNORS HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to record this Assignment, and to issue all Letters Patent for the improvements to ASSIGNEE, it's successors, legal representatives and assigns, in accordance with the terms of this instrument;

AND ASSIGNORS HEREBY covenant that ASSIGNORS have the full right to convey the entire interest herein assigned, and that ASSIGNORS have not executed, and will not execute, any agreement, assignment, sale or encumbrance in conflict herewith.

AND ASSIGNORS HEREBY further covenant and agree that ASSIGNORS will communicate to ASSIGNEE, it's successors, legal representatives and assigns, any facts known to ASSIGNORS respecting the improvements, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE, it's successors, legal representatives and assigns, to obtain and enforce proper patent protection for the improvements in all countries.

IN TESTIMONY WHEREOF, ASSIGNORS have set their hands and seal to this Assignment.

Stian K.J. Lysne

 $\frac{6/3/15}{\text{Date}}$

IN TESTIMONY WHEREOF, ASSIGNORS have set their hands and seal to this Assignment.

Michael Pellegrini

Michael Pellegrini

Date

Biovn Ad aukli	Date	-
De Rayler	6/3/15	
Assignment.		

RECORDED: 06/04/2015

IN TESTIMONY WHEREOF, ASSIGNORS have set their hands and seal to this