PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Research Investment Network, Inc.	04/09/2013

RECEIVING PARTY DATA

Name:	Rakuten, Inc.
Street Address:	4-12-3 Higashishinagawa
Internal Address:	Shinagawa-ku
City:	Tokyo
State/Country:	JAPAN

PROPERTY NUMBERS Total: 24

Property Type	Number
Patent Number:	6097441
Patent Number:	6483548
Patent Number:	7523475
Patent Number:	6757001
Patent Number:	6256019
Patent Number:	6906696
Patent Number:	5710605
Patent Number:	7117441
Patent Number:	5673322
Patent Number:	5764235
Patent Number:	6501472
Patent Number:	6950101
Patent Number:	6836483
Patent Number:	6665302
Patent Number:	5696702

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Patent Number:	5963914
Patent Number:	6185514
Patent Number:	6397167
Patent Number:	6581025
Patent Number:	6622116
Patent Number:	6789045
Patent Number:	6829560
Patent Number:	7072793
Patent Number:	5455953

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ATTORNEY DOCKET NUMBER:	R127.01-0001
NAME OF SUBMITTER:	David D. Brush
Signature:	/David D. Brush/
Date:	04/10/2013

Total Attachments: 5
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THIS ASSIGNMENT OF PATENTS ("Assignment of Patents") is entered into as of February 25, 2013 (the "Effective Date") between (1) Research Investment Network, Inc. (hereinafter referred to as ASSIGNOR), a corporation, organized and existing under the laws of the State of Delaware, and having offices at 1925 E. Dominguez Street, Long Beach, California 90810, United States of America and (2), Rakuten, Inc. (hereinafter referred to as ASSIGNEE), a corporation organized and existing under the laws of Japan, and having offices at 4-12-3 Higashishinagawa, Shinagawa-ku, Tokyo, Japan. This Assignment of Patents is being entered into pursuant to a "Patent Sale Agreement" dated January 1, 2013, between ASSIGNOR and ASSIGNEE according to which payment was made by ASSIGNEE to ASSIGNOR on February 25, 2013.

WHEREAS, Research Investment Network, Inc. (ASSIGNOR) is the owner of the patents listed in the attached Appendix A (see attached pages 2-5).

WHEREAS, Rakuten, Inc. (ASSIGNEE) is desirous of acquiring the entire right, title and interest in and to the patents identified in Appendix A, the invention(s) disclosed therein, and any and all corresponding patent applications and patents or similar legal protection, worldwide, obtained or to be obtained therefor;

NOW, THEREFORE, for good and valuable consideration as recited in the Patent Sale Agreement, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR transfers to ASSIGNEE, its successors and assigns, ASSIGNOR's entire right, title and interest worldwide in and to the patents listed in Appendix A, the invention(s) disclosed therein, the application(s), corresponding domestic and foreign applications claiming rights or benefits to the patents, including non-provisional applications, continuation applications, continuing applications, divisional applications, reissue applications, reexamination applications, design applications, continuation-in-part applications, extensions, all Letters Patent(s) or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention, including all rights of priority and the right to sue and recover for any past, present or future infringement of the forgoing and collect profits or damages with respect to the same, the same to be held and enjoyed hereinafter by ASSIGNEE for its own use and for the use of its successors and assigns;

ASSIGNOR authorizes the Director of the United States Patent and Trademark Office or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the ASSIGNEE.

ASSIGNOR authorizes the ASSIGNEE, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

ASSIGNOR represents to the ASSIGNEE, its successors and assigns, that ASSIGNOR has not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. ASSIGNOR, its executors or administrators, will at any time upon request, without additional consideration, but at the expense of the ASSIGNEE, its successors and assigns, execute such additional writings and do such additional acts as the ASSIGNEE, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the inventions in any and all countries.

For RESEARCH INVESTMENT NETWORK, INC.,
a Delaware corporation:

Signature

4/29/2013
Date

Represented by Gregory Pierson
President, Research Investment Network, Inc.

For RAKUTEN, INC.,
a Japanese Corporation:

Signature

Date
April 3, 2013

Represented by Kenji Hirose
Senior Executive Officer, Rakuten, Inc.

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APPENDIX A

	No.	Portfolio	Docket No.	Country	Appl No.	Patent No.	Issue Date	Expiration Date	Title
	1	eRemote	ER 1600.04 CA	CA	2,315,691	2,315,691	18-Mar-08	22-Dec-18	PORTABLE INTERNET-ENABLED CONTROLLER AND INFORMATION BROWSER FOR CONSUMER DEVICES
	2	eRemote	ER 1600.07 CA	CA	2,614,890	2,614,890	23-Feb-10	22-Dec-18	PORTABLE INTERNET-ENABLED CONTROLLER AND INFORMATION BROWSER FOR CONSUMER DEVICES
	3	eRemote	ER 1600.09 DE	DE	98965474.4	1,046,264	30-Jul-08	22-Dec-18	PORTABLE INTERNET-ENABLED CONTROLLER AND INFORMATION BROWSER FOR CONSUMER DEVICES
	4	eRemote	ER 1600.10 FR	FR	98965474.4	1,046,264	30-Jul-08	22-Dec-18	PORTABLE INTERNET-ENABLED CONTROLLER AND INFORMATION BROWSER FOR CONSUMER DEVICES
	5	eRemote	ER 1600.11 GB	GB	98965474.4	1,046,264	30-Jul-08	22-Dec-18	PORTABLE INTERNET-ENABLED CONTROLLER AND INFORMATION BROWSER FOR CONSUMER DEVICES
	6	eRemote	ER 1600.12 NL	NL	98965474.4	1,046,264	30-Jul-08	22-Dec-18	PORTABLE INTERNET-ENABLED CONTROLLER AND INFORMATION BROWSER FOR CONSUMER DEVICES
	7	eRemote	ER 1601.01 US	US	09/001,841	6,097,441	1-Aug-00	31-Dec-17	SYSTEM FOR DUAL-DISPLAY INTERACTION WITH INTEGRATED TELEVISION AND INTERNET CONTENT
	8	eRemote	ER 1601.04 CA	CA	2,315,619	2,315,619	19-Apr-05	22-Dec-18	SYSTEM FOR DUAL-DISPLAY INTERACTION WITH INTEGRATED TELEVISION AND INTERNET CONTENT
	9	eRemote	ER 1601.06 JP	JP	2000-527091	4433441	8-Jan-10	21-Dec-18	SYSTEM FOR DUAL-DISPLAY INTERACTION WITH INTEGRATED TELEVISION AND INTERNET CONTENT
	10	eRemote	ER 1602.01 US	US	09/221,940	6,483,548	19-Nov-02	28-Dec-18	METHOD OF DATA DISPLAY FOR ELECTRONIC PROGRAM GUIDES (EPGS)
	11	eRemote	ER 1602.03 CA	CA	2,351,498	2,351,498	16-May-06	27-Dec-19	METHOD OF DATA DISPLAY FOR ELECTRONIC PROGRAM GUIDES (EPGS)
	12	eRemote	ER 1602.07 GB	GB	99964324	1142321	15-Sep-10	27-Dec-19	METHOD OF DATA DISPLAY FOR ELECTRONIC PROGRAM GUIDES
	13	eRemote	ER 1602.08 US	US	10/064,790	7,523,475	21-Apr-09	16-Aug-22	METHOD OF DATA DISPLAY FOR ELECTRONIC PROGRAM GUIDES (EPGS) ON A REMOTE CONTROL
	14	eRemote	ER 1603.01 US	US	09/280,512	6,757,001	29-Jun-04	30-Mar-19	METHOD OF USING PHYSICAL BUTTONS IN ASSOCIATION WITH A DISPLAY TO ACCESS AND EXECUTE FUNCTIONS AVAILABLE THROUGH ASSOCIATED HARDWARE AND SOFTWARE
	15	eRemote	ER 1603.04 CA	CA	2,402,316	2,402,316	25-Nov-08	28-Mar-20	METHOD OF USING BUTTONS ASSOCIATED WITH A DISPLAY TO ACCESS AND EXECUTE ASSOCIATED FUNCTIONS

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	16	eRemote	ER 1603.06 GB	GB	919721.1	1,218,874	7-Dec-05	28-Mar-20	METHOD OF USING BUTTONS ASSOCIATED WITH A DISPLAY TO ACCESS AND EXECUTE ASSOCIATED FUNCTIONS
	17	eRemote	ER 1603.07 DE	DE	919721.1	60024655.8	7-Dec-05	28-Mar-20	METHOD OF USING BUTTONS ASSOCIATED WITH A DISPLAY TO ACCESS AND EXECUTE ASSOCIATED FUNCTIONS
	18	eRemote	ER 1603.08 FR	FR	919721.1	1,218,874	7-Dec-05	28-Mar-20	METHOD OF USING BUTTONS ASSOCIATED WITH A DISPLAY TO ACCESS AND EXECUTE ASSOCIATED FUNCTIONS
	19	eRemote	ER 1604.01 US	US	09/280,524	6,256,019	3-Jul-01	30-Mar-19	Methods of Using A Controller for Controlling Multi-User Access to the Functionality of Consumer Devices
	20	eRemote	ER 1604.02 US	US	09/874,450	6,906,696	14-Jun-05	30-Mar-19	METHOD OF CONTROLLING MULTI-USER ACCESS TO THE FUNCTIONALITY OF CONSUMER DEVICES
	21	eRemote	ER 1604.08 FR	FR	919713.8	1273000	1-Dec-10	28-Mar-20	METHOD OF USING A CONTROLLER FOR CONTROLLING MULTI-USER ACCESS TO THE FUNCTIONALITY OF CONSUMER DEVICES
	22	eRemote	ER 1604.06 DE	DE	919713.8	1273000	1-Dec-10	28-Mar-20	METHOD OF USING A CONTROLLER FOR CONTROLLING MULTI-USER ACCESS TO THE FUNCTIONALITY OF CONSUMER DEVICES
	23	eRemote	ER 1604.11 NL	NL	919713.8	1273000	1-Dec-10	28-Mar-20	METHOD OF USING A CONTROLLER FOR CONTROLLING MULTI-USER ACCESS TO THE FUNCTIONALITY OF CONSUMER DEVICES
	24	eRemote	ER 1604.10 IT	IT	919713.8	1273000	1-Dec-10	28-Mar-20	METHOD OF USING A CONTROLLER FOR CONTROLLING MULTI-USER ACCESS TO THE FUNCTIONALITY OF CONSUMER DEVICES
	25	eRemote	ER 1604.07 ES	ES	919713.8	1273000	1-Dec-10	28-Mar-20	METHOD OF USING A CONTROLLER FOR CONTROLLING MULTI-USER ACCESS TO THE FUNCTIONALITY OF CONSUMER DEVICES
	26	eRemote	ER 1604.09 GB	GB	919713.8	1273000	1-Dec-10	28-Mar-20	METHOD OF USING A CONTROLLER FOR CONTROLLING MULTI-USER ACCESS TO THE FUNCTIONALITY OF CONSUMER DEVICES
	27	eRemote	ER 1604.05 CA	CA	2,402,277	2,402,277	9-Jan-07	28-Mar-20	METHOD OF CONTROLLING MULTI-USER ACCESS TO THE FUNCTIONALITY OF CONSUMER DEVICES
	28	eRemote	ER 1605.01 US	US	08/587,109	5,710,605	20-Jan-98	11-Jan-16	REMOTE CONTROL UNIT FOR CONTROLLING A TELEVISION AND VIDEOCASSETTE RECORDER WITH A DISPLAY FOR ALLOWING A USER TO SELECT BETWEEN VARIOUS PROGRAMMING SCHEDULES
	29	eRemote	ER 1616.01 US	US	10/065,889	7,117,441	3-Oct-06	29-Apr-25	GRID-BASED SYSTEM AND METHOD FOR INTERACTING WITH ELECTRONIC PROGRAM GUIDE GRID

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	30	eRemote	ER 1616.03 JP	JP	2004-557247	4,078,351	8-Feb-08	20-Nov-23	GRID-BASED SYSTEM AND METHOD FOR INTERACTING WITH EPG GRID
	31	Geoworks	GW 2402.01 US	US	08/614,612	5,673,322	30-Sep-97	22-Mar-16	SYSTEM AND METHOD FOR PROVIDING PROTOCOL TRANSLATION AND FILTERING TO ACCESS THE WORLD WIDE WEB FROM WIRELESS OR LOW-BANDWIDTH NETWORKS
	32	Geoworks	GW 2402.02 AU	AU	55256/96	707,755	4-Nov-99	26-Mar-16	REMOTE PROXY SYSTEM AND METHOD
	33	Geoworks	GW 2402.03 CA	CA	2,247,536	2,247,536	9-Oct-01	26-Mar-16	REMOTE PROXY SYSTEM AND METHOD
	34	Geoworks	GW 2402.04 CN	CN	96180228.6	96180228.6	23-Jun-04	26-Mar-16	REMOTE PROXY SYSTEM AND METHOD
	35	Geoworks	GW 2402.08 TW	TW	85103535	114,224	11-Mar-03	24-Mar-16	SYSTEM AND METHOD FOR PROVIDING PROTOCOL TRANSLATION AND FILTERING TO ACCESS THE WORLD WIDE WEB FROM WIRELESS OR LOW-BANDWIDTH NETWORKS
	36	Geoworks	GW 2402.12 KR	KR	1998-707344	372,403	4-Feb-03	26-Mar-16	REMOTE PROXY SYSTEM AND METHOD
	37	Insight Development	ID 2700.01 US	US	08/622,529	5,764,235	9-Jun-98	25-Mar-16	COMPUTER IMPLEMENTED METHOD AND SYSTEM FOR TRANSMITTING GRAPHICAL IMAGES FROM SERVER TO CLIENT AT USER SELECTABLE RESOLUTION
	38	Insight Development	ID 2700.02 US	US	09/036,268	6,501,472	31-Dec-02	25-Mar-16	METHOD AND SYSTEM FOR TRANSMITTING GRAPHICAL IMAGES
	39	Insight Development	ID 2700.03 US	US	10/248,175	6,950,101	27-Sep-05	26-Feb-17	COMPUTER IMPLEMENTED METHOD AND SYSTEM FOR TRANSMITTING GRAPHICAL IMAGES FROM SERVER TO CLIENT AT USER SELECTABLE RESOLUTION
	40	Hayes Microcomputer Products	HMPI P98109501(USP)US	US	09/338,935	6,636,483	28-Dec-04	23-Jun-19	MESSAGE SYSTEM FOR ASYNCHRONOUS TRANSFER
	41	Hayes Microcomputer Products	HMPI P98109605(USP)US C1	US	10/063,380	6,665,302	16-Dec-03	4-Nov-19	METHOD AND SYSTEM FOR HANDLING A LOOP BACK CONNECTION USING A PRIORITY UNSPECIFIED BIT RATE IN ADSL INTERFACE
	42	Skinner and Lehman	SK 1000.03 US	US	08/732,675	5,696,702	9-Dec-97	17-Apr-15	TIME AND WORK TRACKER
	43	Skinner and Lehman	SK 1000.04 US	US	08/987,908	5,963,914	5-Oct-99	17-Apr-15	NETWORK TIME AND WORK TRACKER
	44	Skinner and Lehman	SK 1000.05 US	US	09/374,050	6,185,514	6-Feb-01	17-Apr-15	TIME AND WORK TRACKER WITH HARDWARE ABSTRACTION LAYER
	45	Skinner and Lehman	SK 1000.06 US	US	09/740,412	6,397,167	28-May-02	17-Apr-15	TIME AND ACTIVITY TRACKER WITH HARDWARE ABSTRACTION LAYER
	46	Skinner and Lehman	SK 1000.07 US	US	09/683,784	6,581,025	17-Jun-03	17-Apr-15	TIME AND WORK TRACKER FOR WIRELESS DEVICES

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	47	Skinner and Lehman	SK 1000.08 US	US	10/063,768	6,622,116	16-Sep-03	17-Apr-15	TIME AND ACTIVITY TRACKER
	48	Skinner and Lehman	SK 1000.09 US	US	10/250,195	6,789,045	7-Sep-04	17-Apr-15	TIME AND WORK TRACKER FOR SERVERS
	49	Skinner and Lehman	SK 1000.10 US	US	10/250,207	6,829,560	7-Dec-04	17-Apr-15	TIME AND WORK TRACKER
	50	Skinner and Lehman	SK 1000.11 US	US	10/883,919	7,072,793	4-Jul-06	17-Apr-15	TIME AND WORK TRACKER FOR SERVERS
	51	Wang Laboratories	WANG P99110601(US)US	US	08/143,163	5,455,953	3-Oct-95	3-Nov-13	AUTHORIZATION SYSTEM FOR OBTAINING IN SINGLE STEP BOTH IDENTIFICATION AND ACCESS RIGHTS OF CLIENT TO SERVER DIRECTLY FROM ENCRYPTED AUTHORIZATION TICKET
	52	Wang Laboratories	WANG P99110602(US)CA	CA	2,102,743	2,102,743	16-Jul-02	9-Nov-13	SINGLE STEP USER AUTHORIZATION WITH INCLUDED USER INFORMATION
	53	eRemote	ER 1602.04EP	EP	99964324	1142321	15-Sep-10	27-Dec-19	METHOD OF DATA DISPLAY FOR ELECTRONIC PROGRAM GUIDES
	54	eRemote	ER 16004.04EP	EP	919713.8	1,273,000	1-Dec-10	28-Mar-20	METHOD OF USING A CONTROLLER FOR CONTROLLING MULTI-USER ACCESS TO THE FUNCTIONALITY OF CONSUMER DEVICES