

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RIKIO ONAI	04/18/2014
MAKOTO OKABE	04/22/2014
TATSUYA KURIHARA	05/06/2014
MASAHIRO SANJO	04/04/2014
HIROMI HIRANO	04/04/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RAKUTEN, INC.
<b>Street Address:</b>	4-12-3 HIGASHISHINAGAWA
<b>City:</b>	SHINAGAWA-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	140-0002
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14361477
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 1:</b>	2100 PENNSYLVANIA AVENUE, N.W.
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<b>ATTORNEY DOCKET NUMBER:</b>	Q212128
<b>NAME OF SUBMITTER:</b>	ERIN HARNETT, NEW APPLICATION SPECIALIST
<b>SIGNATURE:</b>	/Erin Harnett/
<b>DATE SIGNED:</b>	05/29/2014
<b>Total Attachments: 2</b>	
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PATENT



## Assignment

Whereas, I/We, Rikio ONAI, Makoto OKABE and Tatsuya KURIHARA of Chofu-shi, Tokyo, Japan hereinafter called assignor(s), have invented certain improvements in MOVING-IMAGE PROCESSING DEVICE, MOVING-IMAGE PROCESSING METHOD, AND INFORMATION RECORDING MEDIUM and executed an application for Letters Patent of the United States of America therefor on

; and

Whereas, Rakuten, Inc. of 4-12-3 Higashishinagawa, Shinagawa-ku, Tokyo 140-0002, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number 1014, filed May 29, 2014 14/361,477) the application number, confirmation number and filing date of said application when known.

Date: April 18, 2014 石川 理紀夫  
s/ Rikio ONAI

Date: April 22, 2014 岡部 誠  
s/ Makoto OKABE

Date: May 6, 2014 栗原 竜矢  
s/ Tatsuya KURIHARA

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

## Assignment

Whereas, I/We, Masahiro SANJO and Hiromi HIRANO of Shinagawa-ku Tokyo, Japan hereinafter called assignor(s), have invented certain improvements in MOVING-IMAGE PROCESSING DEVICE, MOVING-IMAGE PROCESSING METHOD, AND INFORMATION RECORDING MEDIUM and executed an application for Letters Patent of the United States of America therefor on

; and

Whereas, Rakuten, Inc. of 4-12-3 Higashishinagawa, Shinagawa-ku, Tokyo 140-0002, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 14/361,477 and Confirmation number 1014, filed May 29, 2014) the application number, confirmation number and filing date of said application when known.

Date: April 4, 2014 Masahiro Sanjo  
s/ Masahiro SANJO

Date: April 4, 2014 Hiromi Hirano  
s/ Hiromi HIRANO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)