

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>IVANA TOSIC</td> <td>01/30/2014</td> </tr> <tr> <td>JAE YOUNG PARK</td> <td>01/30/2014</td> </tr> <tr> <td>KATHRIN BERKNER</td> <td>01/30/2014</td> </tr> </tbody> </table>		Name	Execution Date	IVANA TOSIC	01/30/2014	JAE YOUNG PARK	01/30/2014	KATHRIN BERKNER	01/30/2014
Name	Execution Date								
IVANA TOSIC	01/30/2014								
JAE YOUNG PARK	01/30/2014								
KATHRIN BERKNER	01/30/2014								
RECEIVING PARTY DATA									
Name:	Ricoh Co., Ltd.								
Street Address:	3-6, Nakamagome 1-Chome, Ohta-ku								
City:	Tokyo								
State/Country:	JAPAN								
Postal Code:	143-8555								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14168832</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14168832				
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Application Number:	14168832								
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Signature:	/Michael W. Farn/								

Date:

01/30/2014

**Total Attachments: 6**

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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Ricoh Co., Ltd.**, a corporation of Japan, having a place of business at 3-6, Nakamagome 1-Chome, Ohta-ku, Tokyo, Japan 143-8555 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following non-provisional application filed under 35 U.S.C. § 111(a), international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

- Application No. 14/168,832, entitled "**Estimation of the System Transfer Function for Certain Linear Systems,**" filed on January 30, 2014.

2. The entire worldwide right, title, and interest in and to:  
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION; (c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

Title: Estimation of the System Transfer Function for Certain Linear Systems  
Filed: January 30, 2014  
Application No.: 14/168,832

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This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

By signing below, INVENTOR further attests to the following:

- The APPLICATION was made or authorized to be made by INVENTOR.
- INVENTOR believes that INVENTOR is the original inventor or an original joint inventor of a claimed invention in the APPLICATION.

INVENTOR hereby acknowledges that any willful false statement made in this document is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Name and Signature



Ivana Tošić

Date of Signature

01/30/2014

Name and Signature

Jae Young Park

Date of Signature

Name and Signature

Kathrin Berkner

Date of Signature

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Name and Signature \_\_\_\_\_

Date of Signature \_\_\_\_\_

\_\_\_\_\_  
**Ivana Tošić**

Name and Signature \_\_\_\_\_

Date of Signature \_\_\_\_\_

\_\_\_\_\_  
**Jae Young Park**

\_\_\_\_\_  
01.30.2014

Name and Signature \_\_\_\_\_

Date of Signature \_\_\_\_\_

\_\_\_\_\_  
**Kathrin Berkner**

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**Kathrin Berkner**

1/30/2014