

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Pavitra Krishnan</td> <td>05/30/2013</td> </tr> <tr> <td>William Jeffrey Bridwell</td> <td>05/30/2013</td> </tr> <tr> <td>Chandra Shekar Bommasamudra</td> <td>05/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Pavitra Krishnan	05/30/2013	William Jeffrey Bridwell	05/30/2013	Chandra Shekar Bommasamudra	05/30/2013
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Pavitra Krishnan	05/30/2013								
William Jeffrey Bridwell	05/30/2013								
Chandra Shekar Bommasamudra	05/30/2013								
RECEIVING PARTY DATA									
Name:	Staples, Inc.								
Street Address:	500 Staples Drive								
City:	Framingham								
State/Country:	MASSACHUSETTS								
Postal Code:	01702								
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>13906636</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13906636				
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Application Number:	13906636								
CORRESPONDENCE DATA									
Fax Number:	8013550160								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	8012589835								
Email:	patents@patentlawworks.net								
Correspondent Name:	Kanda V. Ishihara								
Address Line 1:	201 South Main, Suite 250								
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ATTORNEY DOCKET NUMBER:	10027-03576 US								
NAME OF SUBMITTER:	Kanda V. Ishihara								
Signature:	/Kanda Ishihara/								
Date:	06/03/2013								
Total Attachments: 2 source=03576 US 2013-05-31 - Annotated Assignment#page1.tif source=03576 US 2013-05-31 - Annotated Assignment#page2.tif									

OP \$40.00 13906636

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 **STAPLES, INC.**, a **Delaware** corporation, having a place of business at **500 Staples Drive, Framingham, MA 01702** ("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 provisional application filed under 35 U.S.C. §111(b) or non-provisional application filed under 35 U.S.C. §111(a) and entitled **DEFINING AND MAPPING APPLICATION INTERFACE SEMANTICS** ("APPLICATION"), which:

- having a filing date of May 31, 2013, and bearing U.S. application serial number 13/906,636.
- The APPLICATION claims the benefit of a provisional application, filed on June 1, 2012, now bearing U.S. application serial number 61/654,788.

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 which have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) which 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.

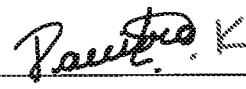
INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not

Title: **DEFINING AND MAPPING APPLICATION INTERFACE
SEMANTICS**
Filed: May 31, 2013
Application No.: 13/906,636

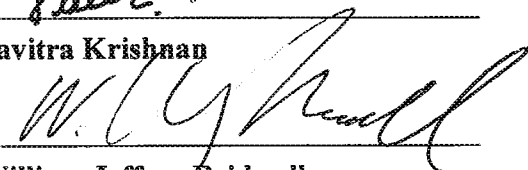
hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

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 for recordation of this document.

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.

x  _____
Pavitra Krishnan

05/30/2013
Date of Signature

x  _____
William Jeffrey Bridwell

5-30-2013
Date of Signature

x  _____
Chandra Shekar Bommasamudra

5/30/13
Date of Signature