

<b>PATENT ASSIGNMENT COVER SHEET</b>
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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>
HELEN HAEKYUNG SHIN	08/11/2017
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<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15691923
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<b>SIGNATURE:</b>	/John M. Ling/
<b>DATE SIGNED:</b>	10/21/2019
<b>Total Attachments: 1</b>	
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**ASSIGNMENT**

The undersigned is/are the named inventor(s) (the "Inventor(s)") on a United States patent application entitled AUTOMATIC GROUPING METHOD IN WEB BASED DEVICE MANAGEMENT APPLICATIONS USING UNSUPERVISED MACHINE LEARNING ALGORITHM (the "Application") for inventions disclosed or claimed therein (the "Invention(s)"), which Application:

- is being executed concurrently herewith,
- was first executed on
- was filed on \_\_\_\_\_ as Application Number \_\_\_\_\_
- claims the benefit of U.S. Provisional Application(s) No(s) \_\_\_\_\_ filed \_\_\_\_\_

Xerox Corporation, a New York Corporation, on behalf of itself, its successors and assigns, and its legal representatives ("Xerox"), is entitled to all rights in the Application and the Invention(s), and the full cooperation of the Inventor(s).

For valuable consideration, the receipt of which is hereby acknowledged, the Inventor(s) hereby sell(s), assign(s), and transfer(s) to Xerox the entire and exclusive right, title and interest in the Application and the Invention(s), in and for the United States, its territories, and all foreign countries, including all applications, patents, design registrations and publications obtained or derived therefrom, worldwide, and all priority rights under all present or future conventions and treaties, and any provisional applications for which priority is claimed in the Application; and

- (1) request the U.S. Commissioner of Patents to issue all U.S. Letters Patent granted thereon to Xerox;
- (2) agree that Xerox may apply for and receive all foreign Letters Patent thereon;
- (3) agree to execute all papers and take all actions necessary or desirable in connection therewith requested by Xerox; and
- (4) authorize Xerox to subsequently enter the Application Number on this Assignment, if not already entered above.

Hae Kyung Shin  
Helen HaeKyung Shin

8/11/17  
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