

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

EPAS ID: PAT7001586

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAJ APTE	10/26/2021
CYRUS BEHROOZI	10/21/2021
KATHRYN HEAL	11/01/2021
OWEN LEWIS	10/26/2021
ZHIGANG PAN	10/22/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	X DEVELOPMENT LLC
<b>Street Address:</b>	1600 APMHITHEATRE PARKWAY
<b>City:</b>	MOUNTAIN VIEW
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94043
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17516476
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	2066828100
<b>Email:</b>	yvette.stradling@cojk.com
<b>Correspondent Name:</b>	CHRISTENSEN O'CONNOR JOHNSON KINDNESS
<b>Address Line 1:</b>	1201 THIRD AVENUE
<b>Address Line 4:</b>	SEATTLE, WASHINGTON 98101
<b>ATTORNEY DOCKET NUMBER:</b>	4119-P209US
<b>NAME OF SUBMITTER:</b>	LERON VANDBURGER, REG. NO. 75516
<b>SIGNATURE:</b>	/Leron Vandsburger/
<b>DATE SIGNED:</b>	11/02/2021
<b>Total Attachments: 2</b>	
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Attorney Docket No. 4119-P209US

ASSIGNMENT

WHEREAS, we, Raj Apte, Cyrus Behroozi, Kathryn Heal, Owen Lewis, Zhigang Pan and Dino Ruic, are the inventors named in an application for Letters Patent of the United States entitled **MACHINE LEARNING BASED LAYOUT NUDGING FOR DESIGN RULE COMPLIANCE**; and we hereby authorize the attorneys of the firm of Christensen O'Connor Johnson Kindness<sup>PLLC</sup>, 1201 Third Avenue, Suite 3600, Seattle, Washington 98101, to insert here in parentheses (Application No. 17/516,476, filed Nov 1, 2021) the application number and filing date of said application when known;

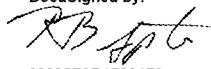
AND, WHEREAS, X Development LLC, a Delaware corporation having a principal place of business at 1600 Amphitheatre Parkway, Mountain View, California 94043 (hereinafter referred to as ASSIGNEE), is desirous of acquiring our entire right and title to and interest in our invention disclosed in said application;

NOW, THEREFORE, for sufficient, good, and valuable consideration, the receipt of which is hereby acknowledged, we do hereby sell, assign, and transfer unto ASSIGNEE our entire right and title to and interest in said application and said invention, including the right to apply for international patents and patents thereon in foreign countries in our name or in the name of ASSIGNEE, said invention and all applications and patents on said invention to be held and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by us had this sale, assignment, and transfer not been made; and we do hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on said invention, to enforce any and all patents on said invention, and to confirm in ASSIGNEE legal title to said invention and all applications and patents on said invention, all without charge to ASSIGNEE but at no expense to us.

**Each Inventor: Please Sign and Date Below:**

10/26/2021

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DocuSigned by:  
  
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\_\_\_\_\_

Date

Raj Apte

10/21/2021

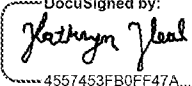
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Date

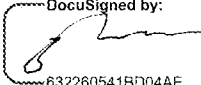
Cyrus Behroozi

11/1/2021   
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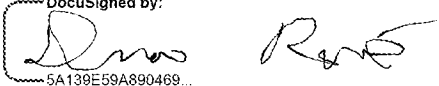
Date Kathryn Heal

10/26/2021   
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Date Owen Lewis

10/22/2021   
632260541BD04AE...

Date Zhigang Pan

10/21/2021   
5A138E59A890469...

Date Dino Ruic