PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: CORRECTIVE ASSIGNMENT **NATURE OF CONVEYANCE:** Corrective Assignment to correct the INVENTORSHIP TO ADD INVENTOR YOAV FEINMESSER BEFORE INVENTOR RAFI VITORY

previously recorded on Reel 057743 Frame 0615. Assignor(s) hereby confirms the ADDING OF INVENTOR YOAV FEINMESSER.

EPAS ID: PAT6969261

CONVEYING PARTY DATA

Name	Execution Date
YOAV FEINMESSER	09/22/2021
RAFI VITORY	09/22/2021
RON EYAL	09/26/2021
EYAL WASERMAN	09/29/2021
YUNXING YE	09/21/2021

RECEIVING PARTY DATA

Name:	APPLE INC.
Street Address:	ONE APPLE PARK WAY
City:	CUPERTINO
State/Country:	CALIFORNIA
Postal Code:	95014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17496479

CORRESPONDENCE DATA

Fax Number: (925)891-9222

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.

Phone: 925-472-6324

Email: Imoreno@kilpatricktownsend.com

LAURIE MORENO Correspondent Name:

2175 NORTH CALIFORNIA BOULEVARD Address Line 1:

Address Line 2: SUITE 600

Address Line 4: WALNUT CREEK, CALIFORNIA 94596

ATTORNEY DOCKET NUMBER:	090911-P53801US1-1256408
NAME OF SUBMITTER:	LAURIE MORENO
SIGNATURE:	/Laurie Moreno/
DATE SIGNED:	10/14/2021

PATENT REEL: 057813 FRAME: 0126 506922425

Total Attachments: 5 source=090911_P53801US1_1256408_executed_assignment#page1.tif source=090911_P53801US1_1256408_executed_assignment#page2.tif source=090911_P53801US1_1256408_executed_assignment#page3.tif source=090911_P53801US1_1256408_executed_assignment#page4.tif source=090911_P53801US1_1256408_executed_assignment#page5.tif

PATENT REEL: 057813 FRAME: 0127

ASSIGNMENT

(Patent Application)

JOINT

WHEREAS, Yoav Feinmesser, Rafi Vitory, Ron Eyal, Eyal Waserman, and Yunxing Ye, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: MICROLOCATIONS USING TAGGED DATA

Filing Date: October 07, 2021

Application No.: 17/496,479

WHEREAS, APPLE INC., a corporation of the state of California, located at One Apple Park Way, Cupertino, California 95014, United States of America, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignors, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Kilpatrick Townsend & Stockton LLP, 1100 Peachtree Street, Suite 2800, Atlanta, Georgia 30309, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Signature:	/ /	/	Date:	22-Sep-2021
	Yoav Feinmesser			

Page 1 of 2

Application Serial No.: 17/496,479

Assignment Attorney Docket No.: 090911-P53801US1-1256408

Page 2 of 2

Signature:	Ratio	/	Date:	22-Sep-2021
	Rafi Vitory	_'		
Signature:	Ron Eyal	/	Date:	26-Sep-2021
	Ron Eyal	<u> </u>		
Signature:	E. Waserman	/	Date:	29-Sep-2021
	Eyal Waserman	<u> </u>		
Signature:	/ Yearing To	/	Date:	21-Sep-2021
	Yunxing Ye			

506913740 10/08/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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RAFI VITORY	09/22/2021
RON EYAL	09/26/2021
EYAL WASERMAN	09/29/2021
YUNXING YE	09/21/2021

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NAME OF SUBMITTER:	LAURIE MORENO	
SIGNATURE:	/Laurie Moreno/	
DATE SIGNED:	10/08/2021	

Total Attachments: 2

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> **PATENT REEL: 057813 FRAME: 0130**

EPAS ID: PAT6960575



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 11, 2021

PTAS

LAURIE MORENO
2175 NORTH CALIFORNIA BOULEVARD
SUITE 600
WALNUT CREEK, CA 94596

506913740

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 10/08/2021 REEL/FRAME: 057743/0615

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 090911-P53801US1-1256408

ASSIGNOR:

VITORY, RAFI DOC DATE: 09/22/2021

ASSIGNOR:

EYAL, RON DOC DATE: 09/26/2021

ASSIGNOR:

WASERMAN, EYAL DOC DATE: 09/29/2021

ASSIGNOR:

YE, YUNXING DOC DATE: 09/21/2021

ASSIGNEE:

APPLE INC.

ONE APPLE PARK WAY

CUPERTINO, CALIFORNIA 95014

APPLICATION NUMBER: 17496479 FILING DATE: PATENT NUMBER: ISSUE DATE:

TITLE: MICROLOCATIONS USING TAGGED DATA

 ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

RECORDED: 10/14/2021

PATENT REEL: 057813 FRAME: 0132