

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6933267

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SEYED ALI AKBAR FAKOORIAN	10/14/2020
CHUNHAI YAO	10/10/2020
CHUNXUAN YE	10/09/2020
DAWEI ZHANG	10/09/2020
HAITONG SUN	10/09/2020
HONG HE	10/09/2020
OGHENEKOME OTERI	10/16/2020
SIGEN YE	10/09/2020
WEI ZENG	10/09/2020
WEIDONG YANG	10/11/2020
YUSHU ZHANG	10/10/2020
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:	17593694
CORRESPONDENCE DATA	
Fax Number:	(503)220-2480
<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>	
Phone:	5032243380
Email:	kassim.ferris@stoel.com, lindsay.nied@stoel.com, patlaw@stoel.com
Correspondent Name:	KASSIM M. FERRIS
Address Line 1:	760 SW NINTH AVE
Address Line 2:	SUITE 3000
Address Line 4:	PORTLAND, OREGON 97205-2584

PATENT

ATTORNEY DOCKET NUMBER:	0071547-43851
NAME OF SUBMITTER:	KASSIM M. FERRIS
SIGNATURE:	/Kassim M. Ferris/
DATE SIGNED:	09/23/2021
Total Attachments: 2 source=P51310US1_ExecutedAssignment#page1.tif source=P51310US1_ExecutedAssignment#page2.tif	

ASSIGNMENT

WHEREAS, the undersigned inventor(s):

**SEYED ALI AKBAR FAKOORIAN; CHUNHAI YAO; CHUNXUAN YE; DAWEI ZHANG;
HAITONG SUN; HONG HE; OGHENEKOME OTERI; SIGEN YE; WEI ZENG;
WEIDONG YANG; YUSHU ZHANG**

(“ASSIGNOR”) has/have made inventions described in a patent application entitled:

COVERAGE ENHANCEMENT AND SYSTEM EFFICIENCY BY UE

(I hereby authorize and request any attorney having appropriate authority from the assignee to insert on the designated lines below, the filing date and application number of said application when known.)

which was filed on October 9, 2020 as


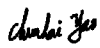

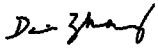
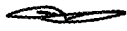




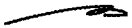

International Application Number PCT/CN2020/120010 and
COUNTRY or International (PCT)

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s)
indicated below; and

WHEREAS, ASSIGNOR believes himself or herself to be the original inventor or an original
joint inventor of the subject matter claimed in said patent application; and

WHEREAS, APPLE INC., a California corporation, having a place of business at One Apple
Park Way, Cupertino, California 95014 United States of America (“ASSIGNEE”), is desirous of
acquiring an interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby
acknowledged, ASSIGNOR, hereby assigns and transfers to ASSIGNEE the full and exclusive right,
title, and interest in and to said inventions, said patent application, and any and all patent rights and
letters patent for said inventions in the United States of America and elsewhere throughout the
world, including provisional rights, foreign patent priority rights, right to claim priority to said patent
application in any national or international patent application, and the right to apply for patents in
ASSIGNOR’s name or in the name of ASSIGNEE, and further including all divisions and
continuations of said application and of any foreign patent applications, and all reissues and
extensions of patent rights and letters patent for said inventions, all to be held and enjoyed by
ASSIGNEE for its own use and benefit, and by its successors and assigns for their own use and
benefit, for the full duration of the terms for which patent rights and letters patent may be granted in
this or any foreign country, and covenants that ASSIGNOR has full right so to do, and agrees that
ASSIGNOR will communicate to ASSIGNEE and its successors and assigns, any facts known to
ASSIGNOR respecting said inventions, and testify in any legal proceeding, sign all lawful papers,
execute all lawful divisional, continuation, and reissue applications, make all rightful declarations or
oaths, and do everything lawfully possible to aid ASSIGNEE and its successors and assigns, to
obtain and enforce proper patent protection for said inventions in the United States of America and
elsewhere throughout the world.

	14-Oct-2020
Seyed Ali Akbar Fakoorian	Date signed
	10-Oct-2020
Chunhai Yao	Date signed
	09-Oct-2020
Chunxuan Ye	Date signed
	09-Oct-2020
Dawei Zhang	Date signed
	09-Oct-2020
Haitong Sun	Date signed
	09-Oct-2020
Hong He	Date signed
	16-Oct-2020
Oghenekome Oteri	Date signed
	09-Oct-2020
Sigen Ye	Date signed
	09-Oct-2020
Wei Zeng	Date signed
	11-Oct-2020
Weidong Yang	Date signed
	10-Oct-2020
Yushu Zhang	Date signed