# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT8162738

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC.	07/05/2018

## **RECEIVING PARTY DATA**

Name:	WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC.
Street Address:	5F 216 HWANGSAEUL-RO BUNDANG-GU SEONGNAM-SI
City:	GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	13595
Name:	SK TELECOM CO., LTD.
Street Address:	65, EULJI-RO, JUNG-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	04539

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	17985424	

### **CORRESPONDENCE DATA**

Fax Number:

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.

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ATTORNEY DOCKET NUMBER:	B-9038CON3 634000-0
NAME OF SUBMITTER:	AZATUHI CHINARYAN
SIGNATURE:	/AZATUHI CHINARYAN/
DATE SIGNED:	09/12/2023

**Total Attachments: 9** 

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PATENT REEL: 064880 FRAME: 0694

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PATENT REEL: 064880 FRAME: 0695

### ASSIGNMENT

WHEREAS, WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC., having a place of business at 5F 216 Hwangsaeul-10, Bundang-gu, Seongnam-si, Gyeonggi-do, 13595 Republic of Korea ("Assignor"), has an interest in the patents and patent applications listed below ("Patents"):

	U.S. Application No.	U.S. Patent Application Publication No.	U.S. Patent No.	Title
emany	14/904079	2016/0143058	9,655,145	WIRELESS COMMUNICATION METHOD FOR ALLOCATING CLEAR CHANNEL, AND WIRELESS COMMUNICATION TERMINAL USING SAME
2	15/470906	2017/0202024	9,872,315	WIRELESS COMMUNICATION METHOD FOR ALLOCATING CLEAR CHANNEL, AND WIRELESS COMMUNICATION TERMINAL USING SAME
3	15/848343	2018/0115997		WIRELESS COMMUNICATION METHOD FOR ALLOCATING CLEAR CHANNEL, AND WIRELESS COMMUNICATION TERMINAL USING SAME
4	15/313104	2017/0195991		WIRELESS COMMUNICATION METHOD FOR SIMULTANEOUS DATA TRANSMISSION AND RECEPTION

-1-

PATENT REEL: 064880 FRAME: 0696

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				AND WIRELESS
				COMMUNICATION
				APPARATUS USING
				SAME
5	15/313105	2017/0188336		WIRELESS
	\$ \$ \$ 1 1			COMMUNICATION
				METHOD AND
				WIRELESS
	•			COMMUNICATION
				DEVICE FOR
	• • • •			BROADBAND LINK
				CONFIGURATION
6	15/320318	2017/0208542		WIRELESS
				COMMUNICATION
				METHOD FOR
				SAVING POWER
				AND WIRELESS
				COMMUNICATION
				TERMINAL USING
				SAME
7.	15/320751	2017/0202026		WIRELESS
	10,000	wo a trouble day		COMMUNICATION
				METHOD FOR
				SIMULTANEOUS
				DATA
				TRANSMISSION,
				AND WIRELESS
				COMMUNICATION
				TERMINAL USING
				SAME
-8	15/322720	2017/0135087		WIRELESS
U U	201044140	2011/0133001		
				COMMUNICATION
				METHOD AND
				WIRELESS
				COMMUNICATION
	16/500000	2012/0221202		TERMINAL
9	15/502202	2017/0231008		WIRELESS
				COMMUNICATION
				METHOD AND
				WIRELESS
				COMMUNICATION
				TERMINAL
10	15/435261	2017/0164406	9,763,268	WIRELESS
				COMMUNICATION
				METHOD FOR
				SIMULTANEOUS

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				DATA
				COMMUNICATION,
				AND WIRELESS
				COMMUNICATION
				TERMINAL USING
				SAME
11	15/674501	2017/0367119	0.019.242	
1.1	13/0/4301	2017/030/119	9,918,343	WIRELESS
				COMMUNICATION
				METHOD FOR
				SIMULTANEOUS
				DATA
				COMMUNICATION,
				AND WIRELESS
				COMMUNICATION
				TERMINAL USING
	15 20 10 500			SAME
12	15/912570			WIRELESS
				COMMUNICATION
				METHOD FOR
				SIMULTANEOUS
				DATA
				COMMUNICATION,
				AND WIRELESS
				COMMUNICATION
				TERMINAL USING
	561460900			SAME
13	15/438720	2017/0163395	9,813,210	WIRELESS
				COMMUNICATION
				METHOD AND
				WIRELESS
				COMMUNICATION
				TERMINAL USING
				SAME
14	15/721725	2018/0026768		·····
3.7	7 85 1 6 7 1 X100	2010/0020/00		WIRELESS
				COMMUNICATION
				METHOD AND
				WIRELESS
				COMMUNICATION
				TERMINAL USING
				SAME
15	15/506235		***************************************	WIRELESS
				COMMUNICATION
				METHOD AND
				WIRELESS
				COMMUNICATION
l				TERMINAL

16	15/511581	2017/0295588	WIRELESS
10	3.07.28.2.03	2017/02/2000	COMMUNICATION
			METHOD AND
			WIRELESS
			COMMUNICATION
			<b>1</b>
177	10/010000	2017/0200044	TERMINAL
1/	15/512027	2017/0289844	WIRELESS
			COMMUNICATION
			METHOD USING
			FRAME
			AGGREGATION
			AND WIRELESS
			COMMUNICATION
			TERMINAL USING
			SAME
18	15/519294	2017/0264475	WIRELESS
			COMMUNICATION
			METHOD AND
			WIRELESS
			COMMUNICATION
			TERMINAL
19	15/520808	2018/0020481	WIRELESS
			COMMUNICATION
			METHOD AND
			WIRELESS
			COMMUNICATION
			TERMINAL
20	15/523672	2017/0338935	WIRELESS
			COMMUNICATION
			METHOD AND
			WIRELESS
***************************************			COMMUNICATION
	i i i		DEVICE FOR
			CONFIGURING
			BROADBAND LINK
21	15/523673	2018/0020475	WIRELESS
			COMMUNICATION
4 4 4 4 4			METHOD FOR
			SAVING POWER
			AND WIRELESS
			COMMUNICATION
			TERMINAL USING
			SAME
22	15/529984	2017/0325223	WIRELESS
			COMMUNICATION
			COMMUNICATION     METHOD AND

f		· · · · · · · · · · · · · · · · · · ·	Post to the Control of the Control o
			TERMINAL FOR
			MULTI-USER
			UPLINK
			TRANSMISSION
23	15/611668	2017/0332405	WIRELESS
			COMMUNICATION
			TERMINAL AND
			WIRELESS
			COMMUNICATION
			METHOD FOR
			CLEAR CHANNEL
			ALLOCATION
24	15/638307	2017/0303292	WIRELESS
2.4	12/03030/	2017/0303252	COMMUNICATION
			TERMINAL AND
			WIRELESS
and a second second			COMMUNICATION
			METHOD FOR
			TRANSMITTING
			UPLINK BY
			MULTIPLE USERS
25	15/673366	2017/0367117	WIRELESS
			COMMUNICATION
			METHOD AND
			WIRELESS
			COMMUNICATION
	in a contract of the contract		TERMINAL USING
			MULTIPLE
			CHANNELS
26	15/676985	2018/0014334	WIRELESS
			COMMUNICATION
			TERMINAL FOR
			MULTI-USER
			UPLINK
			TRANSMISSION,
			AND WIRELESS
			1
			COMMUNICATION
27	15/670/53	3017/0272012	METHOD
21	15/678053	2017/0373816	SIGNALING
			METHOD FOR
			MULTI-USER
			TRANSMISSION,
			AND WIRELESS
			COMMUNICATION
			TERMINAL AND
		****	WIRELESS

j	······		CANAN AN AR ENTERNY A COMPANY
			COMMUNICATION
			METHOD USING
			SAME
28	15/555075	2018/0131471	WIRELESS
			COMMUNICATION
			TERMINAL AND
			WIRELESS
1			COMMUNICATION
			METHOD FOR
			MULTI-USER
			CONCURRENT
			TRANSMISSION
29	15/719547	2018/0026767	WIRELESS
1	10,723017	2010/0020/07	COMMUNICATION
			METHOD AND
			WIRELESS
			COMMUNICATION
			TERMINAL USING
200	1.5.000050	2010/2022	TRAINING SIGNAL
30	15/808879	2018/0077601	WIRELESS
			COMMUNICATION
			METHOD AND
			WIRELESS
			COMMUNICATION
			TERMINAL FOR
			RECEIVING DATA
			FROM PLURALITY
			OF WIRELESS
			COMMUNICATION
			TERMINALS ON
			BASIS OF RANDOM
			ACCESS
31	15/814290	2018/0077735	WIRELESS
	357031350	2010/0011100	COMMUNICATION
			TERMINAL AND
			WIRELESS
			COMMUNICATION
			METHOD FOR
			MULTI-USER
			UPLINK
			TRANSMISSION
32	15/736968		WIRELESS
			COMMUNICATION
			METHOD FOR
		** The state of th	MULTI-USER
			TRANSMISSION
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	1	Ţ	Jan Jan William Con
			SCHEDULING, AND
			WIRELESS
			COMMUNICATION
			TERMINAL USING
			SAME
.33	15/843524	2018/0110076	WIRELESS
		de company	COMMUNICATION
			METHOD AND
			WIRELESS
			COMMUNICATION
			TERMINAL FOR
			RECEIVING DATA
			FROM PLURALITY
			OF WIRELESS
			COMMUNICATION
			TERMINALS
34	15/739161		WIRELESS
			COMMUNICATION
			METHOD FOR
			UPLINK MULTIPLE-
			USER
			TRANSMISSION
			SCHEDULE AND
			WIRELESS
			COMMUNICATION
			TERMINAL USING
			THE METHOD
35	15/854662	2018/0123757	WIRELESS
32	20,00 1000	201000100101	COMMUNICATION
			METHOD AND
			WIRELESS
			COMMUNICATION
			1
			TERMINAL FOR
			COEXISTENCE
			WITH LEGACY
	•		WIRELESS
			COMMUNICATION
30	3.5 (92) 0.1.63		TERMINAL
36	15/739162		CHANNEL ACCESS
			METHOD FOR
			DATA
			TRANSMISSION,
			AND WIRELESS
į			COMMUNICATION
			METHOD AND
			WIRELESS

[		COMMUNICATION
		TERMINAL USING
		SAME
37	15/898226	WIRELESS
27	10/090220	
		COMMUNICATION
		METHOD USING
		TRIGGER
		INFORMATION,
		AND WIRELESS
		COMMUNICATION
ļ		TERMINAL
38	15/908563	WIRELESS
		COMMUNICATION
		METHOD AND
		WIRELESS
		COMMUNICATION
		TERMINAL, WHICH
		USE NETWORK
		ALLOCATION
		VECTOR
39	15/953404	WIRELESS
		COMMUNICATION
		METHOD AND
		WIRELESS
		COMMUNICATION
		TERMINAL IN
		HIGH-DENSITY
		ENVIRONMENT
		INCLUDING
		OVERLAPPED
		BASIC SERVICE
40	15/968681	SET
44.V	10/00001	WIRELESS
		COMMUNICATION
		METHOD AND
		WIRELESS
		COMMUNICATION
		TERMINAL IN
		HIGH DENSITY
		ENVIRONMENT
		INCLUDING
		OVERLAPPED
		BASIC SERVICE
		SETS
41	16/000883	WIRELESS
		COMMUNICATION

	METHOD AND
	WIRELESS
	COMMUNICATION
	TERMINAL USING
	MULTI-BASIC
	SERVICE
	IDENTIFIER SET

WHEREAS, (1) WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC., having a place of business at 5F 216 Hwangsaeul-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13595 Republic of Korea; and (2) SK TELECOM CO., LTD., having a place of business at 65, Eulji-ro, Jung-gu, Seoul, 04539 Republic of Korea ("Assignees") are desirous of acquiring the Assignor's entire right, title and interest in and to the Patents.

NOW THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Assignor agrees to transfer and does hereby transfer to the Assignees and assigns, effective as of \_\_\_\_\_ day of \_\_\_\_\_, 20 //2, the Assignor's entire right, title and interest in and to the Patents aforesaid; the same to be held and enjoyed by the Assignees for their own use and behoof, and for their legal representatives and assigns, to the full end of the term for which the Patents are granted, as fully and entirely as the same would have been held by the Assignor had this assignment and sale not been made.

WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC. (Assignor)

Name

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Title

July 5, 296

RECORDED: 09/12/2023