505253988 12/27/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SK TELECOM CO., LTD.	12/20/2018

RECEIVING PARTY DATA

Name:	ID QUANTIQUE
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City:	GENÈVE
State/Country:	SWITZERLAND
Postal Code:	1227

PROPERTY NUMBERS Total: 9

Property Type	Number
Application Number:	14694742
Application Number:	15499153
Application Number:	15498614
Patent Number:	9464937
Patent Number:	9882716
Patent Number:	9535661
Patent Number:	9588737
Patent Number:	9876639
Patent Number:	9847876

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using a lax number, it provided, it that is unsuccessful, it will be sent via 05

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NAME OF SUBMITTER:	YOON S. HAM

505253988 PATENT REEL: 047859 FRAME: 0961

SIGNATURE:	/Yoon S. Ham/	
DATE SIGNED:	12/27/2018	
Total Attachments: 3		
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PATENT REEL: 047859 FRAME: 0962

ASSIGNMENT

WHEREAS, **SK Telecom Co., Ltd.,** a corporation of Republic of Korea, doing business at <u>SK T-Tower</u>, 65, <u>Eulji-ro Jung-gu Seoul 04539 Republic of Korea</u>, owns U.S. Patent Application Nos. **14/694,742**, **15/499,153**, **15/498,614** and Patent Nos. **9,464,937**, **9,882,716**, **9,535,661**, **9,588,737**, **9,876,639**, **9,847,876** shown in the attached Appendix A.

WHEREAS, **ID** Quantique, a corporation of Switzerland, doing business at <u>Chemin de la Marbrerie 3 1227 Carouge - Genève Switzerland</u>, is desirous of acquiring complete title and interest in said Patent Applications and Letters Patents;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor by these presents do sell, assign and transfers unto said each Assignee, its successors, legal representatives, heirs and assigns the entire right, title and interest in the United States to said invention as described in U.S. Patent Application Nos. 14/694,742, 15/499,153, 15/498,614 and Patent Nos. 9,464,937, 9,882,716, 9,535,661, 9,588,737, 9,876,639, 9,847,876 shown in the attached Appendix A, and all re-issues, or extensions of said Letters Patents to be held and enjoyed by said each Assignee for its own use, or for its legal representatives, successors, heirs, and assigns to the full end of the term for which said Letters Patents and Patent Applications are granted, and any extensions thereof, as fully and entirely as the same would have been held by said Assignor had this assignment and sale not been made, and for the same consideration said Assignor hereby covenants and agrees that at the time of execution and delivery of this instrument it is the lawful owner of the complete right, title and interest in and to said invention and said Letters Patents and Patent Applications above mentioned, and its interest is unencumbered and that it has good and full right and lawful authority to sell and convey its interest in the manner set forth herein; and for the same consideration Assignor hereby covenants and agrees that it will, when ever counsel for said each Assignee, or counsel for their legal successors, legal representatives, heirs or assigns shall advise that any proceedings in connection with said Letters Patents and Patent Applications or any re-issue or extension of said Letters Patents and Patent Applications to be obtained thereon, is lawful and desirable, sign all papers and documents, make all lawful oaths, and do all acts necessary as required to be done for the procurement, maintenance, enforcement and defense of said Letters Patents, without charge to said Assignor, its successors, legal representatives, heirs and assigns, but at the expense of said each Assignee, their successors, legal representatives, heirs and assigns.

Assignor hereby further assigns to each Assignee all claims and causes of action for infringement

PATENT REEL: 047859 FRAME: 0963 of the patent rights assigned herein, including the right to sue for, and collect damages for, any and all acts of past and future infringement.

Assignor hereby grants Hauptman Ham, LLP, 2318 Mill Road, Suite 1400, Alexandria, VA 22314, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Assignor:

SK Telecom Co., Ltd.

Date: John town on . 2018

Signature:

Loros Gud hom soo sund Director of Epic Name:

Title:

PATENT REEL: 047859 FRAME: 0964

Appendix A

				I	I
	U.S				
	Application	U.S. Patent			
	No.	No.	Reel No.	Frame No.	Recorded
1		9,464,937	035450	0668	4/20/2015
	14/694,742				
2			035484	0065	4/23/2015
		9,882,716			
3			035506	0323	04/27/2015
		9,535,661			
4			035474	0617	4/22/2015
		9,588,737			
5			035364	0027	4/8/2015
		9,876,639			
7			036751	0106	10/7/2015
		9,847,876			
8			036659	0211	9/25/2015
	15/499,153				
9			042167	0985	4/27/2017
	15/498,614				
10			042160	0812	4/27/2017

PATENT REEL: 047859 FRAME: 0965

RECORDED: 12/27/2018