## 507358829 06/28/2022

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WIEGER IJNTEMA	06/18/2022
PIETER NOOREN	06/11/2022

### **RECEIVING PARTY DATA**

Name:	KONINKLIJKE KPN N.V.	
Street Address:	WILHELMINAKADE 123	
City:	ROTTERDAM	
State/Country:	NETHERLANDS	
Postal Code:	3072 AP	
Name:	NEDERLANDSE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK ONDERZOEK TNO	
Street Address:	ess: ANNA VAN BUERENPLEIN 1	
City:	'S-GRAVENHAGE	
State/Country:	NETHERLANDS	
Postal Code:	2595 DA	

# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17780623

#### **CORRESPONDENCE DATA**

**Fax Number:** (978)341-0136

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ATTORNEY DOCKET NUMBER:	4965.1131-001
NAME OF SUBMITTER:	JENNIFER TORPEY
SIGNATURE:	/Jennifer Torpey/

PATENT 507358829 REEL: 060339 FRAME: 0129

DATE SIGNED: 06/27/2022

Total Attachments: 4
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PATENT REEL: 060339 FRAME: 0130

Joint

### **ASSIGNMENT**

WHEREAS, we, Wieger IJntema and Pieter Nooren, have invented a certain improvement in Providing Interface Between Network Management and Slice Management described in an application for Patent,

the specification of which is about to be or has been filed in the United States Patent Office (use for pre-filing of provisional, nonprovisional, PCT or design

the specification of which is United States Application No. [ ], filed [ ];

the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/EP2020/084586, filed December 4, 2020, which designates the United States of America and is assigned United States Application No. 17/780,623;

which was patented under United States Patent No. [ ].

filings);

WHEREAS, Koninklijke KPN N.V. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the country of the Netherlands, and having a usual place of business at Wilhelminakade 123, Rotterdam, 3072 AP, Netherlands desires to confirm its interest therein in accordance with agreements duly entered into with us;

WHEREAS, Nederlandse Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek TNO (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the country of the Netherlands, and having a usual place of business at Anna van Buerenplein I, 's-Gravenhage, 2595 DA, Netherlands desires to confirm its interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications,

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and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein; we hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of

<u>Joint</u>

### ASSIGNMENT

WHEREAS, we, Wieger IJutema and Pieter Nooren, have invented a certain improvement in Providing Interface Between Network Management and Slice Management described in an application for Patent,

the specification of which is about to be or has been filed in the United States  Patent Office (use for pre-filing of provisional, nonprovisional, PCT or design filings);			
the specification of which is United States Application No. [ ], filed [ ];			
the specification of which is a Patent Cooperation Treaty Application, International Application No. PCT/EP2020/084586, filed December 4, 2020, which designates the United States of America and is assigned United States Application No. 17/780,623;			
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NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do bereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for any and all related provisional and nonprovisional, international and national phase applications, including any and all substitution, reissue, divisional, continuation, and continuation-in-part applications,

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AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional or continuation, continuation-in-part applications, and all related provisional and nonprovisional, international and national phase applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request each Patent Office and the Commissioner of

Patents of the United to said ASSIGNEE in	States to issue such Letters Patent as shats successors, assigns, and legal representations.	all be granted upon said invention
ov sama rabbija, virtig it	o odovostas, assigns, and regar represer	nauves.
Inventor		P
HIVEHOI	Wieger Unterna	Date
Inventor	CHN ooren	Date N ZUN 2022
	Pieter Nooren	

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