

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7674269

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
UGUR SAHIN	12/02/2022
ALPTEKIN GULER	01/25/2022
ANDREAS KUHN	01/23/2022
ALEXANDER MUIK	01/23/2022
ANNETTE VOGEL	03/27/2022
KERSTIN WALZER	01/15/2022
STEPHANIE HEIN	03/29/2022
OZLEM TURECI	12/02/2022
GABOR BOROS	01/18/2022
AZITA JOSEFINE MAHINY	01/18/2022
JONAS REINHOLZ	01/17/2022
KATALIN KARIKO	01/18/2022

RECEIVING PARTY DATA

Name:	BIONTECH SE
Street Address:	AN DER GOLDGRUBE 12
City:	MAINZ
State/Country:	GERMANY
Postal Code:	D-55131

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17565842

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.

Phone: 6172485000

Email: patentdocket@choate.com

Correspondent Name: CHOATE HALL & STEWART, LLP

Address Line 1: TWO INTERNATIONAL PLACE

Address Line 4: BOSTON, MASSACHUSETTS 02110

PATENT

ATTORNEY DOCKET NUMBER:	2013237-0218
NAME OF SUBMITTER:	MICHAEL R. HINRICHSEN, PHD
SIGNATURE:	/Michael R. Hinrichsen/
DATE SIGNED:	12/02/2022

Total Attachments: 16

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JOINT ASSIGNMENT

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. Ugur Sahin	Mainz, Germany
2. Alptekin Güller	Mainz, Germany
3. Andreas Kuhn	Mainz, Germany
4. Alexander Muik	Seeheim-Jugenheim, Germany
5. Annette Vogel	Mainz, Germany
6. Kerstin Walzer	Seeheim-Jugenheim, Germany
7. Stephanie Hein	Rüsselsheim, Germany
8. Özlem Türeci	Mainz, Germany
9. Gábor Boros	Mainz, Germany
10. Azita Josefine Mahiny	Mainz, Germany
11. Jonas Reinholz	Mainz, Germany
12. Katalin Karikó	Rydal, Pennsylvania

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

RNA CONSTRUCTS AND USES THEREOF

prepared for filing in the United States Patent and Trademark Office; or

identified by United States Application No. 17/563,842
filed in the United States Patent and Trademark Office on December 30, 2021; and

identified by International Patent Application No. _____
filed on _____; and

and is also aware of the following priority applications:

Application No.	Filed
PCT/EP21/60508	April 22, 2021
PCT/EP21/59947	April 16, 2021
PCT/EP21/54622	February 24, 2021
PCT/EP21/52716	February 4, 2021
PCT/EP21/52572	February 3, 2021
PCT/EP21/51772	January 26, 2021

PCT/EP21/50875	January 15, 2021
PCT/EP21/50874	January 15, 2021
PCT/EP21/50027	January 4, 2021
PCT/EP20/87844	December 23, 2020
PCT/EP20/85653	December 10, 2020
PCT/EP20/85145	December 8, 2020
PCT/EP20/84342	December 2, 2020
PCT/EP20/83435	November 25, 2020
PCT/EP20/82989	November 20, 2020
PCT/EP20/82601	November 18, 2020
PCT/EP20/81981	November 12, 2020
PCT/EP20/81544	November 9, 2020
PCT/EP20/73668	August 24, 2020
PCT/EP20/71839	August 3, 2020
PCT/EP20/71733	July 31, 2020
PCT/EP20/69805	July 13, 2020
PCT/EP20/68174	June 26, 2020
PCT/EP20/66968	June 18, 2020
PCT/EP20/61239	April 22, 2020

WHEREAS, BioNTech SE (hereinafter "ASSIGNEE"), having a usual place of business at An der Goldgrube 12, 55131 Mainz, GERMANY, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, each of us hereby confirms, agrees, and/or declares that:

1. I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above, including any right of priority thereto; and hereby confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application;

2. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including any divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and

reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

3. This Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

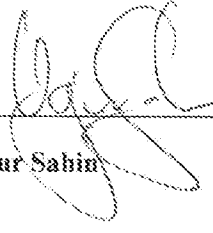
4. I, or my executor(s) and/or administrator(s) will execute upon request any other lawful documents and likewise will perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

5. I hereby authorize ASSIGNEE or its attorneys or agents to insert the correct application number(s) and/or filing date(s) into this assignment document, if appropriate;

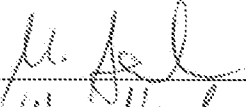
6. I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

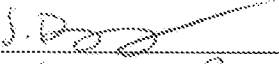
7. I hereby request the Commissioner for Patents of the United States Patent and Trademark Office to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

8. I hereby covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

Signature: 
Ugur Sahin

Date: _____

Witness Signature: 
Witness Name (printed): Uta Nagel

Witness Signature: 
Witness Name (printed): Susanne Bormann

Signature: Alptekin Güler

Date: 25 Jan 2002

Alptekin Güler

Witness Signature: Kerstin Walzer

Witness Name (printed): KERSTIN WALZER

Witness Signature: Eugenija Trogan

Witness Name (printed): Eugenija Trogan

Signature: Andreas Kuhn

Date: 23 Jan 2022

Andreas Kuhn

Witness Signature: Lona Kuhn

Witness Name (printed): Lona Kuhn

Witness Signature: [Signature]

Witness Name (printed): [Name]

Signature: Alexander Muik

Alexander Muik

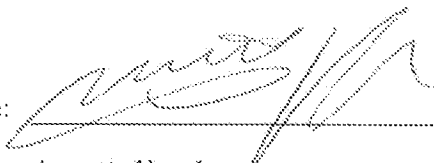
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Witness Signature: C. Muik

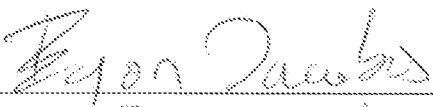
Witness Name (printed): CORNELIA MUIK


Witness Signature: N. Fritsch

Witness Name (printed): NORBERT FRITSCH

Signature: 
Annette Vogel

Date: 29.03.22

Witness Signature: 
Witness Name (printed): Egon Jacobus

Witness Signature: 
Witness Name (printed): Attia Sauer

Signature: Kerstin Walzer
Kerstin Walzer

Date: 18 JAN 2022

Witness Signature: Weber
Witness Name (printed): Benjamin Weber

Witness Signature: Johanna Meyer
Witness Name (printed): Johanna Meyer

Signature: S. H.

Date: 29.05.2012

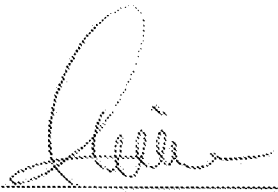
Stephanie Hein

Witness Signature: [Signature]

Witness Name (printed): Serija Globe

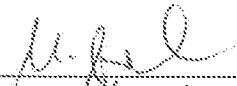
Witness Signature: [Signature]

Witness Name (printed): Sven Wank

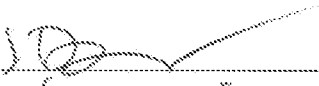
Signature: 

Date: _____


Özlem Türeci

Witness Signature: 

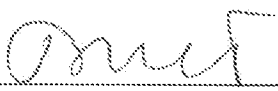
Witness Name (printed): M. Vogel

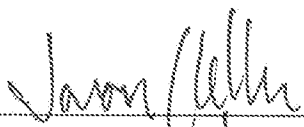
Witness Signature: 

Witness Name (printed): Susanne Kocman

Signature: 
Gábor Boros

Date: 18.01.2012

Witness Signature: 
Witness Name (printed): GABOR TAMAS SZABO

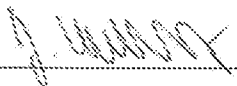
Witness Signature: 
Witness Name (printed): Jason Keller

Signature: A. Mahiny
Azita Josefine Mahiny

Date: 18 Jan 2022

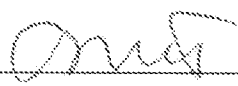
Witness Signature: M. Baierdorfer
Witness Name (printed): MARKUS BAIERSDÖRFER

Witness Signature: Jason Keller
Witness Name (printed): Jason Keller

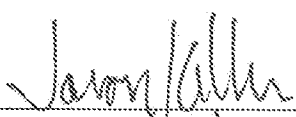
Signature: 

Date: 17.04.2022

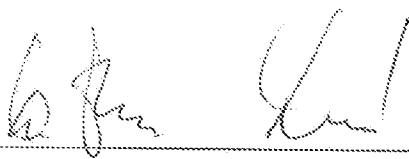
Jonas Reinholz

Witness Signature: 

Witness Name (printed): FABIAN TANAS

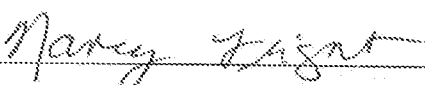
Witness Signature: 

Witness Name (printed): Jason Keller


Signature: 

Katalin Karikó

Date: 18/1/2022

Witness Signature: 

Witness Name (printed): NANCY FLIGHT

Witness Signature: 

Witness Name (printed): SUZANNA FRANCIA

The ASSIGNEE hereby acknowledges and accepts the foregoing assignment.

The undersigned (whose title is supplied below) is authorized to act on behalf of the ASSIGNEE, *BioNTech SE*.

Signature: *Julie Anne Gillespie* Date: 13 June 2022

Name (printed): Julie Anne Gillespie

Title (printed): Vice President, Head of Intellectual Property