

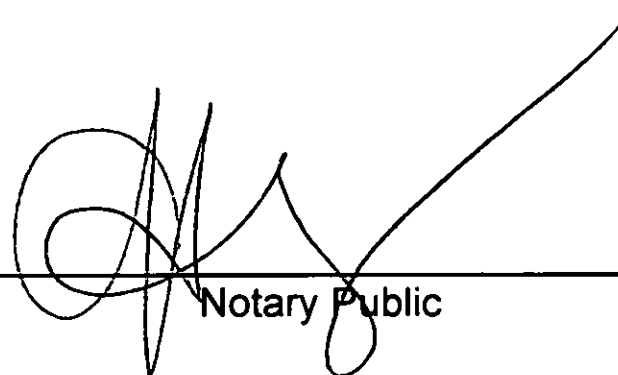


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NOTARIAL TRUE COPY

UNITED STATES OF AMERICA
STATE OF New Jersey ss.
COUNTY OF Somerset

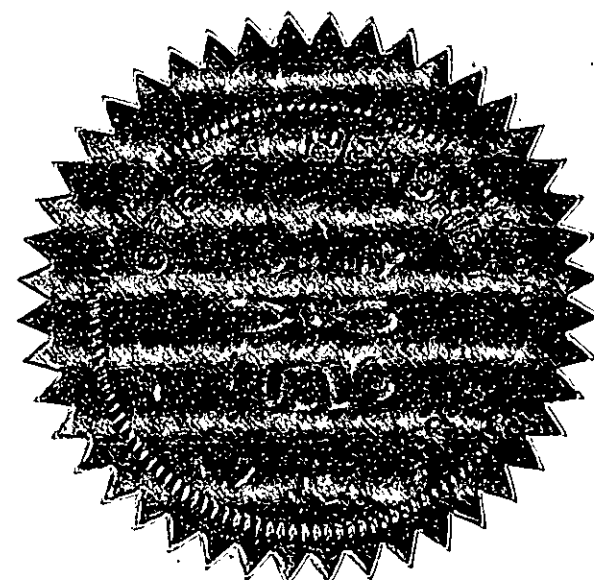
I, GREET HERSHEY, do hereby swear or affirm and verify that the annexed document(s) are TRUE COPIES of the original document(s) which I have compared on March 27, 2019.



Notary Public

Notary Public, State of New Jersey
My Commission Expires

**GREET HERSHEY
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 9/5/2023**



ASSIGNMENT AND AGREEMENT

Effective as of July 5, 2016, FOR VALUE RECEIVED and intending to be legally bound, we, the undersigned joint inventors (Assignors), sell, assign and transfer to **SANOFI** (Assignee), 54 rue La Boetie, Paris, France 75008, and its successors, assigns and legal representatives, our entire and exclusive right, title and interest in and to our invention and any improvements thereon for all countries of the world, relating in and to the applications:

Docket No. **US2016/011 US PSP**, filed on July 5, 2016, as Serial No. 62/358.404

ANTIBODY FORMULATIONS

and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, including the right to claim priority based on said United States application, and under any and all Letters Patent which may be granted therefor, and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country or patent organization, including, without limitation, continuations, divisions, renewals, revivals, and any substitute applications of said United States application, and any and all patents which may issue thereon, and any reissues, reexaminations, pipelines and extensions, and governmental exclusivity rights of the same; and

We hereby authorize and request the USPTO and any foreign patent authority or office whose duty it is to issue patents on applications or priorities as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment.

WE state that we are the original inventors of the claimed invention and authorize the filing of a patent application for the claimed invention.

WE authorize and request competent authorities to grant and issue any and all patents on said invention to said assignee or its successor, assigns and legal representatives, or to such nominees as said assignee may designate.


WE agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, testify in any legal proceedings, and do all acts which may be necessary, desirable or convenient for securing, maintaining, and enforcing patents for said invention in any and all countries and for vesting title thereto in said assignee, its successors, assigns, legal representatives or nominees.

WE covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right

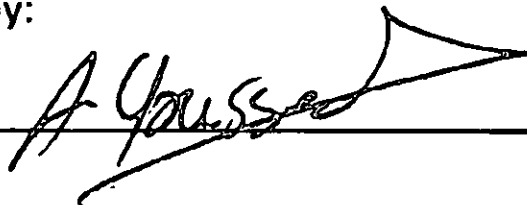
to convey the same as herein expressed and that we will not enter into any assignment, contract, or understanding in conflict herewith.

WE hereby acknowledge that any willful false statements made in this assignment are punishable by fine or imprisonment, or both, under Title 18, United States code §1001.

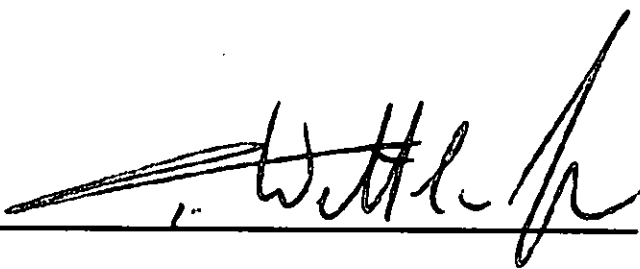
Signed at Frankfurt, Germany on this 15 day of December, 2016.
(City, State and Nation)

Signature: 
Inventor's Name: Donny Francis
Mailing Address: Frankfurt am Main, Germany

Witnessed by:

Signature: 

Name: Ahmed Youssef

Signature: 

Name: Wittlupf

Signed at Frankfurt am Main on this 15 day of December, 2016.
(City, State and Nation)

Signature: A. Youssef
Inventor's Name: Ahmed Youssef
Mailing Address: Frankfurt am Main, Germany

Witnessed by:

Signature: D. Francis

Signature: Wettlaufer

Name: Donny Francis

Name: Wettlaufer

Signed at Frankfurt am Main on this 19 day of January, 2016.
(City, State and Nation)

Signature: Stefaniya Koroleva
Inventor's Name: Stefaniya Koroleva
Mailing Address: Frankfurt am Main, Germany

Witnessed by:

Signature: Wettlaufer

Signature: A. Schnabel

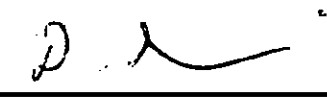
Name: Wettlaufer

Name: Schnabel

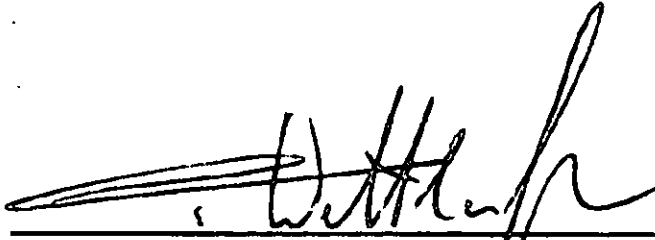
Signed at Frankfurt am Main on this 12 day of January 2017, 2016.
(City, State and Nation)

Signature: 
Inventor's Name: Martina Kirsch
Mailing Address: Frankfurt am Main, Germany

Witnessed by:

Signature: 

Name: Donny Francis

Signature: 

Name: W. Kirsch

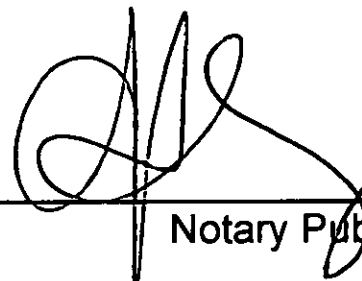
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NOTARIAL TRUE COPY

UNITED STATES OF AMERICA
STATE OF New Jersey ss.
COUNTY OF Somerset

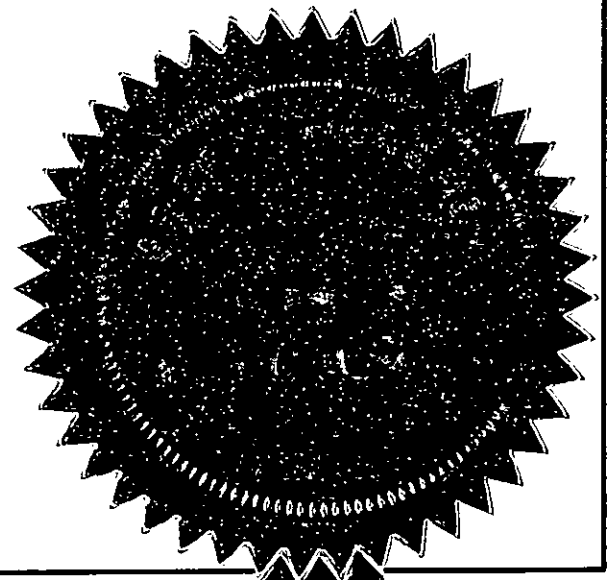
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Notary Public

Notary Public, State of New Jersey
My Commission Expires

**GREET HERSHEY
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 9/5/2023**



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25-Apr-2019/40230/201917004058/OTHERS

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Docket No. **US2016/011 EP EPA**, filed on August 30, 2016, as Serial No. 16306090.8

ANTIBODY FORMULATIONS

and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, including the right to claim priority based on said European application, and under any and all Letters Patent which may be granted therefor, and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country or patent organization, including, without limitation, continuations, divisions, renewals, revivals, and any substitute applications of said European application, and any and all patents which may issue thereon, and any reissues, reexaminations, pipelines and extensions, and governmental exclusivity rights of the same; and

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We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, testify in any legal proceedings, and do all acts which may be necessary, desirable or convenient for securing, maintaining, and enforcing patents for said invention in any and all countries and for vesting title thereto in said assignee, its successors, assigns, legal representatives or nominees.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed and that we will not enter into any assignment, contract, or understanding in conflict herewith.

We hereby acknowledge that any willful false statements made in this assignment are punishable by fine or imprisonment, or both, under Title 18, United States code §1001.

Signed at Frankfurt on this 2 day of May, 2017.
(City, State and Nation)

Signature:



Inventor's Name:

Donny Francis

Mailing Address:

Frankfurt am Main, Germany

Witnessed by:

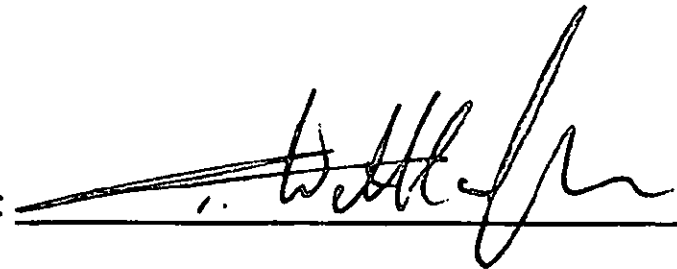
Signature:



Name:

Ahmed Yassief

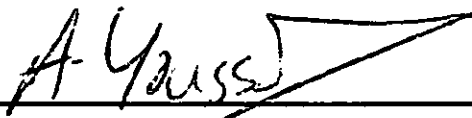
Signature:



Name:

T. Wettkaufer

Signed at Frankfurt am Main on this 2 day of May, 2017.
(City, State and Nation)

Signature: 
Inventor's Name: Ahmed Youssef
Mailing Address: Frankfurt am Main, Germany

Witnessed by:

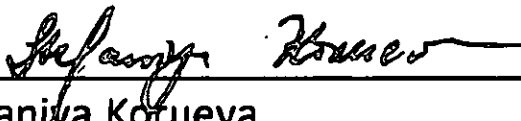
Signature: 

Name: Donny Francis


Signature: 

Name: T. Wettkauf

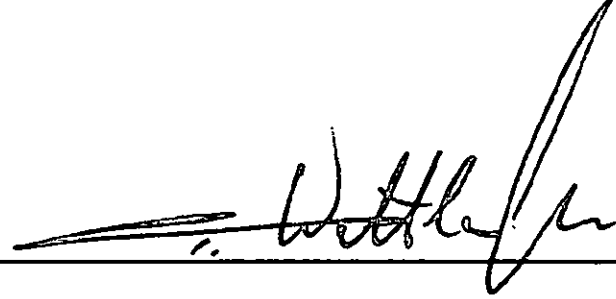
Signed at Frankfurt on this 4 day of May, 2017.
(City, State and Nation)

Signature: 
Inventor's Name: Stefaniya Korueva
Mailing Address: Frankfurt am Main, Germany

Witnessed by:


Signature: 

Name: STEFANIYA KORUEVA

Signature: 

Name: T. Wettkauf

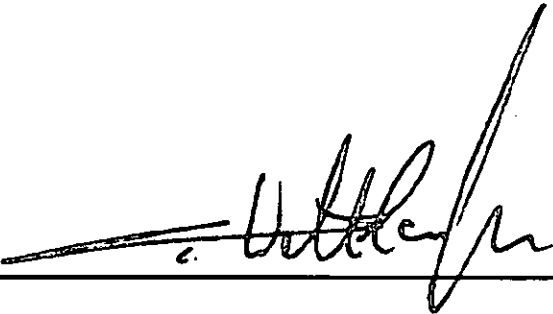
Signed at Frankfurt on this 2 day of May, 2017.
(City, State and Nation)

Signature: 
Inventor's Name: Martina Kirsch
Mailing Address: Frankfurt am Main, Germany

Witnessed by:

Signature: 

Name: Danny Franzen

Signature: 

Name: T. Wettkamp
