

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KAROLINSKA INSTITUTET	06/06/2016
RECEIVING PARTY DATA	
Name:	ROCHE DIAGNOSTICS INTERNATIONAL AG
Street Address:	FORRENSTRASSE 2
City:	ROTKREUZ
State/Country:	SWITZERLAND
Postal Code:	CH-6343
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15132318
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ATTORNEY DOCKET NUMBER:	P33224-US-CPS
NAME OF SUBMITTER:	KENNETH J. WAITE
SIGNATURE:	/Kenneth J. Waite/
DATE SIGNED:	12/17/2018
Total Attachments: 3	
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ASSIGNMENT AGREEMENT

Karolinska Institutet ("ASSIGNOR") an institute duly organized under the laws of Sweden and having its principal place of business at Karolinska Institutet, Department of Clinical Sciences, Danderyd University Hospital, 18288 Danderyd, Sweden

acknowledges the previous transfer to

Roche Diagnostics International AG ("ASSIGNEE") a corporation duly organized under the laws of Switzerland and having its principal place of business at Forrenstrasse 2, CH-6343 Rotkreuz, Switzerland

for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, of all right, title, and interest in, to, and deriving from the inventions disclosed in the patent applications set forth below for the territory of the United States of America and its possessions by operation of law, contract, or otherwise, and any Letters Patent which may hereafter be granted on the same in the United States including any application claiming priority under 35 U.S.C. §119(e), divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof.

As far as the right, title, and interest of ASSIGNOR in, to, and deriving from the inventions disclosed in the patent application set forth below may not have been transferred, for good and valuable consideration paid to ASSIGNOR by ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns, sells and transfers to ASSIGNEE, and to ASSIGNEE'S successors and assigns, for the territory of the United States of America and its possessions all of ASSIGNOR'S right, title and interest in, to, and deriving from the inventions described in the patent application listed below, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, or other U. S. patent applications claiming the benefit of the filing date of the following patent application(s):

Case No.	Country	Filing Date	Serial No.
P33224-CA	CA	19 April 2016	2927600
P33224-US	US	19 April 2016	15/132,318

entitled

ALGORITHM OF NTproBNP AND HAND HELD ECG TO DETECT ARRHYTHMIA IN AN ELDERLY POPULATION


ASSIGNEE, by virtue of this Assignment, shall have the right to file and own patent applications that claim priority to and are based in whole or in part on the patent application cited above with the United States Patent and Trademark Office and to own Letters Patents that issue thereon. Accordingly, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for such patent applications, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, reexaminations, prolongations or extensions thereof, to ASSIGNEE, its successors and assigns.

ASSIGNOR does hereby covenant and agree with ASSIGNEE, its successors and assigns, that ASSIGNOR will not execute any writing or do any act conflicting with this assignment, and ASSIGNOR further agrees that he

will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said Letters Patent and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

ASSIGNOR

Karolinska Institutet



Danderyd, June 6, 2016

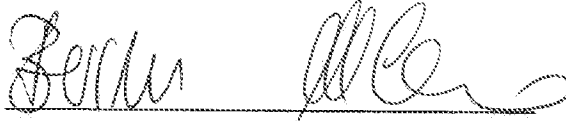
Place, Date

ASSIGNEE

Roche Diagnostics International AG

ppa.

i.V.



Rotkeuz,

05. APR. 2017

Place, Date

Dr. Barbara Herren
Holder of Procuration

Dr. Mario Curcio
European Patent Attorney

NOTARIAL CERTIFICATION

I, Christoph Schweiger, lic. iur., attorney-at-law, a Notary Public in 6300 Zug, Dammstrasse 19, (Switzerland), do hereby certify that the signatures on the forefront page are the true signatures of

Ms Dr. Barbara Irene Herren, authorized signatory with joint signing rights according to art. 458 et seqq. Swiss Code of Obligations ("Kollektivprokura"), citizen of Neuenegg BE, in Baar, ZG (Switzerland), and

Mr Dr. Mario Curcio, authorized signatory with joint signing rights according to art. 458 et seqq. Swiss Code of Obligations ("Kollektivprokura"), citizen of Italy, in Hochdorf, LU (Switzerland),

on behalf of Roche Diagnostics International AG, CHE-104.722.452, legal seat in Risch ZG, registered address Forrenstrasse 2, 6343 Rotkreuz, Switzerland.

Zug, 3 - July - 2017 Notary Public
Christoph Schweiger

