

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	CONSTITUTION MEDICAL, INC.	12/16/2013
RECEIVING PARTY DATA		
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Postal Code:	01581	
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	Property Type	Number
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NAME OF SUBMITTER:	LAKEISHA BRYANT	
SIGNATURE:	/Lakeisha Bryant/	
DATE SIGNED:	11/06/2015	
Total Attachments: 5		
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PATENT ASSIGNMENT

This Patent Assignment, effective as of November 29, 2013, is by **Constitution Medical, Inc.**, a Delaware corporation having a place of business at 186 Lincoln Street, Boston, Massachusetts 02111 (hereinafter "ASSIGNOR"), with respect to the inventions and improvements that are the subject of the following patent applications and patents and all new and useful improvements described therein (hereinafter "the Patents"):

See Appendix.

WHEREAS, **Roche Diagnostics Hematology, Inc.** (hereinafter, "ASSIGNEE"), a Delaware corporation having a place of business at 69 Milk Street, Suite 120, Westborough, Massachusetts 01581 ("ASSIGNEE"), desires to obtain any and all right, title and interest the ASSIGNOR may have in or to said Patents.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns, transfers, conveys and delivers unto ASSIGNEE, its successors, legal representatives and assigns, any and all right, title and interest it may have in the Patents, any and all applications arising therefrom, including any and all divisions, renewals, continuations, continuations-in-part thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reexaminations and reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed from the Patents in any country or countries foreign to the United States, and all Letters Patent which may be granted for the Patents in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests, to the extent of any right ASSIGNOR may have to do so, the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for the Patents to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns any claims (known or unknown, suspected or unsuspected) for damages and all remedies arising out of any violation of the rights assigned hereby that ASSIGNOR may have, that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages and profits for past infringements of the said Letters Patent before or after issuance.

AND ASSIGNOR HEREBY covenants that it has the full right to convey the entire right, title, and interest herein assigned and that ASSIGNOR has not executed and will not execute any agreement in conflict herewith.

IN TESTIMONY WHEREOF, ASSIGNOR, as represented by one of its officers, has signed this instrument this 10th day of December 2013.

CONSTITUTION MEDICAL, INC.

By: Howard B. Doran, Jr.

Name: Howard B. Doran, Jr.

Title: President and COO

STATE OF Massachusetts)
) SS:
COUNTY OF Worcester)

Before me, a Notary Public in and for said County and State, personally appeared Howard B. Doran, Jr., known to me to be the President and COO of Constitution Medical, Inc., a Delaware corporation, who acknowledged the execution of the foregoing Patent Assignment for and on behalf of Constitution Medical, Inc.

WITNESS my hand and Notarial Seal this 10th day of December, 2013.

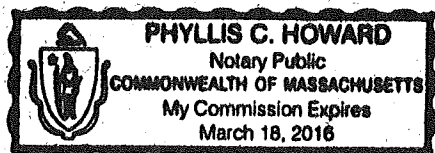
My County of Residence: Worcester

Notary Public - Signature

Phyllis K. Cousin
previously Phyllis C. Howard

Printed Name: Phyllis C. Howard

My Commission Expires:
March 18, 2016



ROCHE DIAGNOSTICS HEMATOLOGY, INC.

By: Marco Tiberi

Name: Marco Tiberi

Title: General Manager

STATE OF Massachusetts)
) SS:
COUNTY OF Worcester)

Before me, a Notary Public in and for said County and State, personally appeared Marco Tiberi, known to me to be the General Manager of Roche Diagnostics Hematology, Inc., a Delaware corporation, who acknowledged the execution of the foregoing Patent Assignment for and on behalf of Roche Diagnostics Hematology, Inc.

WITNESS my hand and Notarial Seal this 16th day of December, 2013.

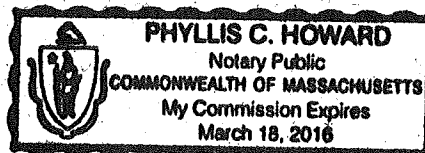
My County of Residence: Worcester

Notary Public - Signature

Phyllis C. Howard

Printed Name Phyllis C. Howard

My Commission Expires:
March 18, 2016



Appendix - US Applications and Patents

Roche ID No.	U.S. Appln. Ser. No.	U.S. Appln. Pub. No.	U.S. Pat. No.	Title	External Matter No.
31746 US	61/047,920			Method of determining a complete blood count and a white blood cell differential count	28441-0002P01
31746 US1	12/430,885	2009/0269799 A1		Method of determining a complete blood count and a white blood cell differential count	28441-0002001
31761 US	61/460,775			Device for preparing a biological specimen on a substrate and methods of use	28441-0003P01
31761 US1	61/510,180			Automated systems and methods for preparing biological specimens for examination	28441-0003P02
31761 US	12/943,687	Not yet assigned		Automated systems and methods for preparing biological specimens for examination	28441-0003001
31761 US2	13/293,050	2012/0149050 A1	8,454,908 B2	Automated systems and methods for preparing biological specimens for examination	28441-0003002
31761 US3	13/858,531	Not yet assigned		Automated systems and methods for preparing biological specimens for examination	28441-0003003
31762 US	60/544,377			Identification of blood elements using inverted microscopy	28441-0004P01
31762 US1	11/057,095	2008/0138852 A1		Identification of blood elements using inverted microscopy	28441-0004001
31762 US2	11/503,656			Identification of blood elements using inverted microscopy	28441-0004002
31763 US	61/173,186			Systems and methods for analyzing body fluids	28441-0005P01
31763 US1	12/768,633	2011/0070606 A1		Systems and methods for analyzing body fluids	28441-0005001

31763 US2	13/619,381	2013/0070077 A1		Systems and methods for analyzing body fluids	28441-0005002
31764 US	61/498,456			Systems and methods for sample display and review	28441-0006P01
31764 US1	61/510,696			Systems and methods for sample display and review	28441-0006P02
31764 US2	61/602,484			Systems and methods for sample display and review	28441-0006P03
31764 US3	13/526,223	2013/0002847 A1		Systems and methods for sample display and review	28441-0006001
31765 US	61/476,170			Measuring cell volume	28441-0007P01
31765 US1	61/510,614			Measuring volume of cell constituents	28441-0007P02
31765 US2	13/446,967	2012/0262705 A1	8,345,227 B2	Measuring volume and constituents of cells	28441-0007001
31766 US	61/476,179			Measuring cell constituents	28441-0008P01
31766 US1	61/510,710			Measuring cell constituents	28441-0008P02
31766 US2	13/446,996	2012/0262703 A1	8,339,586 B2	Measuring volume and constituents of cells	28441-0008001
31766 US3	13/679,664	2013/0077085 A1	8,477,294 B2	Measuring volume and constituents of cells	28441-0008002
31767 US	13/019,118	2012/0194729 A1		Fast auto-focus in imaging	28441-0009001
31768 US	13/008,848	2012/0183198 A1		Microscope slide coordinate system registration	28441-0010001
31769 US	61/510,728			Sample applicator sensing and positioning	28441-0012P01
31769 US1	13/549,251	2013/0021461 A1		Sample applicator sensing and positioning	28441-00012001
31770 US	12/785,337	2011/0014645 A1		Method for determining a complete blood count on a white blood cell differential count	28441-0014001
31771 US	12/785,314	2010/0284602 A1		Method for determining a complete blood count on a white blood cell differential count	28441-0015001
31773 US	61/510,700			Fluid sample preparation systems and methods	28441-0028P01
31773 US1	13/548,773	2013/0019697 A1		Fluid sample preparation systems and methods	28441-0028001

31774 US	61/498,159				Fixative and staining solutions	28441-0029P01
31774 US1	61/505,011				Fixative and staining solutions	28441-0029P02
31774 US2	13/526,164	2012/0322099 A1	8,445,284 B2		Fixative and staining solutions	28441-0029001
31774 US3	13/795,444	2013/0252279 A1			Fixative and staining solutions	28441-0029002
31774 US4	13/795,536	2013/0196370 A1			Fixative and staining solutions	28441-0029003
31774 US5	13/796,365	2013/0189729 A1			Fixative and staining solutions	28441-0029004
31780 US	61/510,594				Sample transport systems and methods	28441-0030P01
31780 US1	13/548,844	2013/0020175 A1			Sample transport systems and methods	28441-0030001
31782 US	29/391,286		D670,400 S1		Blood analyzer	28441-0033001
31782 US1	29/397,884		D674,912 S1		Blood analyzer	28441-0033002
31784 US	61/589,672				Quality control and calibration methods and compositions for systems capable of performing a complete blood count including blood white blood cell differential	28441-0042P01
31785 US	13/447,045	2012/0262704 A1	8,488,111 B2		Measuring volume and constituents of cells	28441-0043001
31785 US1	13/920,607	2013-0279788 A1			Measuring volume and constituents of cells	28441-0043002
31786 US	13/549,148	2013/0024130 A1			Blood analyzer calibration and assessment	28441-0046001
31787 US	13/549,211	2013/0023007 A1			Identifying and measuring reticulocytes	28441-0047001
31788 US	61/671,600				Controlled dispensing of samples onto substrates	28441-0048P01
31788 US1	13/942,330	Not yet assigned			Controlled dispensing of samples onto substrates	28441-0048001
31789 US	29/449,444	Not yet assigned			Tube rack	28441-0051001
31790 US	61/752,591				Automated systems and methods for analyzing cells	28441-0052P01
31792 US	61/434,469				Calibration techniques and compositions for use in hematology	28441-0023P01