PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: Quit Claim Assignment

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------------|----------------|
| The General Hospital Corporation | 09/28/2011 |

RECEIVING PARTY DATA

| Name: | Mehmet Toner |
|-----------------|------------------|
| Street Address: | 106 Bristol Road |
| City: | Wellesley |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02481 |

PROPERTY NUMBERS Total: 37

| 12702614 11229336 11229332 |
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| 11220332 |
| 11223002 |
| 11228462 |
| 11229328 |
| 11228454 |
| 11229037 |
| 60704067 |
| 60668415 |
| 11227904 |
| 11449149 |
| 11323971 |
| 60804817 |
| 11763245 |
| 11762750 |
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PATENT "REEL: 027046 FRAME: 0173

| Application Number: | 60804819 |
|---------------------|----------|
| Application Number: | 11763421 |
| Application Number: | 11762747 |
| Application Number: | 12230628 |
| Application Number: | 60949227 |
| Application Number: | 12172158 |
| Application Number: | 12500541 |
| Application Number: | 12511028 |
| Application Number: | 60703833 |
| Application Number: | 11323945 |
| Application Number: | 11323962 |
| Application Number: | 11323946 |
| Application Number: | 11324041 |
| Application Number: | 11322790 |
| Application Number: | 11449161 |
| Application Number: | 11071270 |
| Application Number: | 60549680 |
| Application Number: | 12509237 |
| Application Number: | 60549610 |
| Application Number: | 11071679 |
| Application Number: | 60820778 |
| Application Number: | 11830546 |

CORRESPONDENCE DATA

 Fax Number:
 (877)769-7945

 Phone:
 617 542-5070

 Email:
 apsi@fr.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Fish & Richardson PC
Address Line 1: One Marina Park Drive

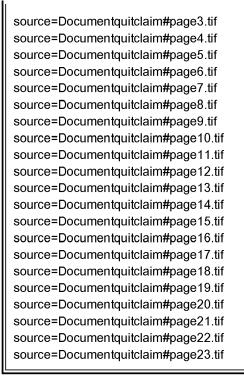
Address Line 4: Boston, MASSACHUSETTS 02210

| ATTORNEY DOCKET NUMBER: | 25594-0006001 |
|-------------------------|---------------|
| NAME OF SUBMITTER: | Nancy McCoy |

Total Attachments: 23

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PATENT REEL: 027046 FRAME: 0174



PATENT REEL: 027046 FRAME: 0175

QUITCLAIM ASSIGNMENT

The GENERAL HOSPITAL CORPORATION, a Massachusetts corporation having a place of business at 55 Fruit Street, Boston, Massachusetts 02114 ("MGH") hereby acknowledges that, pursuant to the "CONFIDENTIAL INFORMATION AND INVENTION ASSIGNMENT AGREEMENT" executed by Mehmet Toner and GPB, LLC (the abbreviated name for GPB Scientific, LLC), on March 26, 2003 (referred to hereinafter as "Agreement"), Mehmet Toner assigned to MGH and GPB Scientific, LLC, ("GPB"), a Delaware corporation having its principal place of business at 800 East Leigh St., Richmond, Virginia 23219, as joint owners, his entire right, title, and interest throughout the world in and to any and all inventions and improvements disclosed in any of the United States and foreign patent applications identified in the list of applications attached hereto as Appendix A (collectively referred to hereinafter as "Applications"), all such inventions and improvements disclosed in any of said Applications being hereinafter referred to as "Inventions", and was obligated to assign to MGH and GPB, as joint owners, his entire right, title, and interest throughout the world in and to any and all said Applications and any patents relating thereto;

MGH further acknowledges that Mehmet Toner, by virtue of his prior assignment of his entire, right, title, and interest in and to said Inventions to MGH and GPB through the Agreement dated March 26, 2003, did not have the ability to assign his entire right, title, and interest in any of said Inventions solely to MGH;

MGH further acknowledges that Mehmet Toner, by virtue of his aforementioned obligations under the Agreement dated March 26, 2003, did not have the right to assign his entire right, title, and interest in and to any of said Applications or any patents relating thereto solely to MGH;

MGH further acknowledges that all Assignments executed by Mehmet Toner and purporting to assign from Mehmet Toner his entire right, title, and interest in and to any of said Inventions and Applications solely to MGH, including those Assignments that were recorded at the Reel/Frame numbers listed in Appendix A (collectively referred to hereinafter as "Assignments"), were inadvertently executed in error and such Assignments from Mehmet Toner are hereby declared null and void solely with regard to the assignments by Mehmet Toner of his entire right, title, and interest in and to any of said Inventions and Applications (leaving in effect any assignments by any other individuals that may also be named in those Assignments), and

that MGH should reassign any rights it may have in and to any of said Inventions and any of said Applications to Mehmet Toner with the understanding that Mehmet Toner will promptly execute a Joint Assignment of his entire right, title, and interest in said Inventions and Applications to GPB and MGH.

Therefore, by this quitclaim assignment, any and all right, title, and interest of Mehmet Toner in and to said Inventions and Applications assigned by Mehmet Toner solely to MGH via said Assignments are hereby reassigned from MGH to Mehmet Toner.

| Mehme Sour MEHMET TONER | Date: _ | 09/20/2011 |
|--|---------|------------|
| | | |
| SIGNATURE WITNESSED BY: | | |
| By: htpne Sybbleheld Print Name: | Date: _ | 9/20/2011 |
| Print Name: | | |
| By: Daniel Muris | Date: _ | 9/20/2011 |
| Print Name: | | |
| For MGH: Print NameNCES TONEGUZZO Title: Executive Director Research Ventures & Licensing | Date: _ | 9/28/11 |
| By: Richard Stevens | Date: _ | 7/28/11 |
| Print Name: Print Name: Research Vent res & licensing By: Print Name: | Date: _ | 9/28/11 |
| DEBORAH A. PARKER NOTARY PUBLIC Commonwealth of Massachusetts My Commission Expires 08/20/2015 | | |

<u>APPENDIX A</u>
MGH 3028 (V703; FR25594-0014, -0015, -0017, -0018, -0019, 26101-0014, -0016)

| MGH Ref. | F&R Ref. | Title | Country | Case Type | Application No. | Filing Date | Toner Assignment Reel/Frame and Date Recorded |
|-------------|-------------------|--|--------------|--------------|-----------------|---------------------|---|
| 3028.03 | 26101- 0016002 | METHODS FOR DETECTING FETAL ABNORMALITY | US | CON | 12/702,614 | 09- Feb- 2010 | |
| 3028.15 | 25594- 0014HK1 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | Hong Kong | NP | 8112563.4 | 15- Sep- 2006 | |
| 3028.05 | 25594- 0017001 | SYSTEMS FOR SIZE BASED SEPARATION AND ANALYSIS | US | UTL | 11/229,336 | 15- Sep- 2005 | 017298/0153 March 11, 2006 |
| 3028.06 | 25594- 0019001 | BUSINESS METHODS FOR PRENATAL DIAGNOSIS | US | UTL | 11/229,332 | 15- Sep- 2005 | 017298/0159 March 11, 2006 |
| 3028.01 | 25594- 0014001 | SYSTEM FOR CELL ENRICHMENT | US | UTL | 11/228,462 | 15- Sep- 2005 | 017024/0282 January 17, 2006 |
| 3028.02 | 25594- 0015001 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | us | UTL | 11/229,328 | 15- Sep- 2005 | 016906/0081 December 16, 2005 |

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| 3028.03 | 26101- 0016001 | METHODS FOR DETECTING FETAL ABNORMALITY | US | UTL | 11/228,454 | 15- Sep- 2005 | 017298/0050 March 11, 2006 |
|---------|-------------------|--|-----------|-----|-------------------|---------------------|-------------------------------------|
| 3028.04 | 25594- 0018001 | KITS FOR PRENATAL TESTING | US | UTL | 11/229,037 | 15- Sep- 2005 | 016916/0586 December 19, 2005 |
| 3028.07 | 26101- 0014WO1 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | WIPO | PCT | PCT/US2006/036202 | 15- Sep- 2006 | |
| 3028.08 | 26101- 0014EP1 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | Europe | NP | 06803736.5 | 15- Sep- 2006 | |
| 3028.11 | 25594- 0014AU1 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | Australia | NP | 2006292394 | 15- Sep- 2006 | |
| 3028.09 | 26101- 0014CA1 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | Canada | NP | 2,622,745 | 15- Sep- 2006 | |
| 3028.10 | 25594- 0014CN1 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | China | NP | 200680042407.4 | 15- Sep- 2006 | |

| 3028.12 | 25594- 0014IL1 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | Israel | NP | 190090 | 15- Sep- 2006 | |
|---------|-------------------|--|--------|----|-----------------|---------------------|--|
| 3028.13 | 25594- 0014IN1 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | India | NP | 2637/DELNP/2008 | 15- Sep- 2006 | |
| 3028.14 | 25594- 0014JP1 | SYSTEMS AND METHODS FOR ENRICHMENT OF ANALYTES | JP | NP | 2008-531396 | 15- Sep- 2006 | |

MGH 2962/2813/3049 (V704; FR25594-0006, -0007, -0023)

| MGH Ref. | F&R Ref. | Title | Country | Case Type | Application No. | Filing Date | Toner Assignment Reel/Frame and Date Recorded |
|-------------|-------------------|---|---------|--------------|-----------------|---------------------|---|
| 2962.02 | 25594- 007P01 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | US | PRO | 60/704,067 | 29- Jul- 2005 | |
| 2813. | 25594- 0006P01 | METHODS FOR COLLECTING CELLULAR COMPONENTS BY PREFERNTIALLY LYSING CELLS OF INTEREST | US | PRO | 60/668,415 | 05- Apr- 2005 | |
| 2962.01 | 25594- 0007001 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | US | UTL | 11/227,904 | 15- Sep- 2005 | 024047/0827 March 8, 2010 |
| 2813.03 | 25594- 0006001 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | US | CON | 11/449,149 | 08- Jun- 2006 | 024047/0787 March 8, 2010 |

| 3049.01 | 25594- 0023001 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | US | CIP | 11/323,971 | 29- Dec- 2005 | |
|---------|-------------------|--|-------------------|-----|-------------------|---------------------|--|
| 2813.02 | 25594- 0006WO1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | WIPO | PCT | PCT/US2006/012820 | 05- Apr- 2006 | |
| 3049.02 | 25594- 0023WO1 | DEVICES AND METHODS FOR MAGNETIC ENRICHMENT OF CELLS AND OTHER PARTICLES | WIPO | PCT | PCT/US2006/036061 | 15- Sep- 2006 | |
| 2813.05 | 25594- 0006EP1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | Europe | NP | 06740612.4 | 05- Apr- 2006 | |
| 3049.04 | 25594- 0023EP1 | DEVICES AND METHODS FOR MAGNETIC ENRICHMENT OF CELLS AND OTHER PARTICLES | Europe | NP | 06814753.7 | 15- Sep- 2006 | |
| 2813.04 | 25594- 0006GB1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | United Kingdom | NP | 0612648.6 | 05- Apr- 2006 | |

| 2813.06 | 25594- 0006AU1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | Australia | NP | 2006232103 | 05- Apr- 2006 | · |
|---------|-------------------|--|-----------|----|----------------|---------------------|---|
| 3049.05 | 25594- 0023AU1 | DEVICES AND METHODS FOR MAGNETIC ENRICHMENT OF CELLS AND OTHER PARTICLES | Australia | NP | 2006292490 | 15- Sep- 2006 | |
| 2813.07 | 25594- 0006CA1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | Canada | NP | 2,601,480 | 05- Apr- 2006 | |
| 3049.03 | 25594- 0023CA1 | DEVICES AND METHODS FOR MAGNETIC ENRICHMENT OF CELLS AND OTHER PARTICLES | Canada | NP | 2,622,779 | 15- Sep- 2006 | |
| 2813.09 | 25594- 0006CN1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | China | NP | 200680019886.8 | 05- Apr- 2006 | |
| 3049.06 | 25594- 0023CN1 | DEVICES AND METHODS FOR MAGNETIC ENRICHMENT OF CELLS AND OTHER PARTICLES | China | NP | 200680041666.5 | 15- Sep- 2006 | |

| 3049.07 | 25594- 0023IL1 | DEVICES AND METHODS FOR MAGNETIC ENRICHMENT OF CELLS AND OTHER PARTICLES | Israel | NP | 190091 | 15- Sep- 2006 | |
|---------|-------------------|--|--------------|----|-----------------|---------------------|--|
| 2813.10 | 25594- 0006IN1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | India | NP | 4390/CHENP/07 | 05- Apr- 2006 | |
| 3049.08 | 25594- 0023IN1 | DEVICES AND METHODS FOR MAGNETIC ENRICHMENT OF CELLS AND OTHER PARTICLES | India | NP | 2058-DELNP/2008 | 15- Sep- 2006 | |
| 2813.08 | 25594- 0006JP1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CELLS AND OTHER PARTICLES | Japan | NP | 2008-505514 | 05- Apr- 2006 | |
| 3049.09 | 25594- 0023JP1 | DEVICES AND METHODS FOR MAGNETIC ENRICHMENT OF CELLS AND OTHER PARTICLES | Japan | NP | 2008-531362 | 15- Sep- 2006 | |
| 3049.10 | 25594- 0023HK1 | DEVICES AND METHODS FOR MAGNETIC ENRICHMENT OF CELLS AND OTHER PARTICLES | Hong Kong | NP | 08112587.6 | 15- Sep- 2006 | |

MGH 3239/3511 (V719; FR26101-0024, 26118-0020)

| MGH Ref. | F&R Ref. | Title | Country | Case Type | Application No. | Filing Date | Toner Assignment Reel/Frame and Date Recorded |
|-------------|-------------------|---|--------------|--------------|-------------------|----------------|---|
| 3239.01 | 26118- 0020P01 | Methods for the Diagnosis of Fetal Abnormalities | US | PRO | 60/804,817 | 6/14/2006 | 018123/003 August 16, 2006 |
| 3511.01 | 26101- 0024001 | Methods for the Diagnosis of Fetal Abnormalities | US | UTL | 11/763,245 | 6/14/2007 | 024047/077 March 8, 2010 |
| 3239.02. | 26118- 0020001 | Analysis of Rare Cell- Enriched Samples | US | UTL | 11/762,750 | 6/13/2007 | 023286/043 September 25, 2009 |
| 3511.02 | 26101- 0024WO1 | Methods for the Diagnosis of Fetal Abnormalities | WIPO | PCT | PCT/US2007/071250 | 6/14/2007 | |
| 3239.03 | 26118- 0020WO1 | Analysis of Rare Cell- Enriched Samples | WIPO | PCT | PCT/US2007/071149 | 6/13/2007 | |
| 3511.03 | 26101- 0024EP1 | Methods for the Diagnosis of Fetal Abnormalities | EP | NP | 07784442.1 | 6/14/2007 | |
| 3511.03 | 26101- 0024EP2 | Methods for the Diagnosis of Fetal Abnormalties | Europe | DIV | 11159371.1 | 6/14/2007 | |
| 3511.03 | 26101- 0024HK1 | Methods for the Diagnosis of Fetal Abnormalities | Hong Kong | NP | 09107599.1 | 6/14/2007 | |

MGH 3240/3510 (V722; FR26051-0021, -0025)

| MGH Ref. | F&R Ref. | Title | Country | Case Type | Application No. | Filing Date | Toner Assignment Reel/Frame and Date Recorded |
|-------------|-------------------|--|---------|--------------|-----------------|----------------|---|
| 3240.01 | 26051- 0021P01 | Rare Cell Analysis Using Sample Splitting and DNA Tags | US | PRO | 60/804,819 | 6/14/2006 | August 16, 2006 018123/0739 |
| 3510.01 | 26101- 0025001 | Rare Cell Analysis Using Sample Splitting and DNA Tags | US | UTL | 11/763,421 | 6/14/2007 | 023865/0919 January 28, 2010 |
| 3240.03 | 26101- 0021001 | Rare Cell Analysis Using Sample Splitting and DNA Tags | US | UTL | 11/762,747 | 6/13/2007 | 024049/0342 March 8, 2010 |
| 3510.04 | 26101- 0025002 | Rare Cell Analysis Using Sample Splitting and DNA Tags | US | CON | 12/230,628 | 9/2/2008 | 023866/0072 January 28, 2010 |

| 3510.02 | 26101- 0025WO1 | Rare Cell Analysis Using Sample Splitting and DNA Tags | WIPO | РСТ | PCT/US2007/071256 | 6/14/2007 | |
|---------|-------------------|--|-----------|-----|-------------------|-----------|--|
| 3240.02 | 26051- 0021WO1 | Rare Cell Analysis Using Sample Splitting and DNA Tags | WIPO | PCT | PCT/US2007/071148 | 6/13/2007 | |
| 3510.03 | 26101- 0025EP1 | Rare Cell Analysis Using Sample Splitting and DNA Tags | Europe | NP | 07784444.7 | 6/14/2007 | |
| 3510.07 | 26101- 0025AU1 | Rare Cell Analysis Using Sample Splitting and DNA Tags | Australia | NP | 2007260676 | 6/14/2007 | |
| 3510.06 | 26101- 0025CA1 | Rare Cell Analysis Using Sample Splitting and DNA Tags | Canada | NP | 2,655,272 | 6/14/2007 | |

| 3510.05 | 26101- 0025CN1 | Rare Cell Analysis Using Sample Splitting and DNA Tags | China | NP | 200780030309.3 | 6/14/2007 | |
|---------|-------------------|--|--------------|----|----------------|-----------|--|
| 3510.05 | 26101- 0025HK1 | Rare Cell Analysis Using Sample Splitting and DNA Tags | Hong Kong | NP | 10108859.1 | 6/14/2007 | |
| 3510.03 | 25594- 0025HK1 | Rare Cell Analysis Using Sample Splitting and DNA Tags | Hong Kong | NP | 09107598.2 | 6/14/2007 | |

MGH 3873 (V744; FR25594-0026)

| MGH Ref. | F&R Ref. | Title | Country | Case Type | Application No. | Filing Date | Toner Assignment Reel/Frame and Date Recorded |
|-------------|-------------------|---|---------|--------------|-------------------|---------------------|---|
| 3873. | n/a | DIAGNOSIS OF FETAL ABNORMALITIES USING NUCLEATED RED BLOOD | US | PRO | 60/949,227 | 11- Jul- 2007 | |
| 3873.02 | 25594- 0026001 | DIAGNOSIS OF FETAL ABNORMALITIES USING NUCLEATED RED BLOOD | US | UTL | 12/172,158 | 11- Jul- 2008 | |
| 3873.04 | n/a | DIAGNOSIS OF FETAL ABNORMALITIES USING NUCLEATED RED BLOOD | WIPO | PCT | PCT/US2008/069879 | 11- Jul- 2008 | |

MGH 2918 (FR26051-0008, -0009, -0011, -0012, 25994-0010)

| MGH Ref. | F&R Ref. | Title | Country | Case Type | Application No. | Filing Date | Toner Assignmen Reel/Frame and Date Recorded |
|-------------|-------------------|--|---------|--------------|-----------------|-------------|--|
| 2918 | 26051- 0008003 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CIRCULATING TUMOR CELLS AND OTHER PARTICLES | US | UTL | 12/500,541 | 7/9/2009 | |
| 2918 | 26051- 0008GB1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CIRCULATING TUMOR CELLS AND OTHER PARTICLES | GB | NP | 612649.4 | 4/5/2006 | |
| 2918 | 26051- 0008GB2 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CIRCULATING TUMOR CELLS AND OTHER PARTICLES | GB | NP | 1017732.7 | 4/5/2006 | |
| 2918 | 26051- 0011002 | DEVICES AND METHODS FOR ENRICHMENT AND | US | UTL | 12/511,028 | 7/28/2009 | |

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| | | CIRCULATING TUMOR | | | | | |
| | | CELLS AND OTHER | · | | | | |
| | | PARTICLES | | | | | |
| 2918.01 | 26051- 0008P01 | DEVICES AND METHODS FOR SEPARATING EPITHELIAL CELLS FROM BLOOD | US | PRV | 60/703,833 | 7/29/2005 | |
| 2918.02 | 26051- 0009001 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CIRCULATING TUMOR CELLS AND OTHER PARTICLES | US | UTL | 11/323,945 | 12/29/2005 | 018387/06 October 13 2006 |
| 2918.03 | 26051- 0011001 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CIRCULATING TUMOR CELLS AND OTHER PARTICLES | US | UTL | 11/323,962 | 12/29/2005 | 018387/06 October 13 2006 |
| 2918.04 | 25594- 0010001 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CIRCULATING TUMOR CELLS AND OTHER | US | UTL | 11/323,946 | 12/29/2020 | 018387/06 October 13 2006 |

Attorney Docket No.: 25594-0006; MGH 2813

| | | PARTICLES | | | | | |
|---------|-------------------|--|----|-----|------------|------------|---------------------------------|
| 2918.05 | 25594- 0012001 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CIRCULATING TUMOR CELLS AND OTHER PARTICLES | US | UTL | 11/324,041 | 12/29/2005 | 018387/06 October 13 2006 |

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| 2918.0 | 6 25594- | ALTERATION | US | UTL | 11/322,790 | 12/29/2005 | October 13 |
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| | | TUMOR | | | | | |
| | | CELLS AND | | | | | |
| | | OTHER PARTICLES | | | | | |
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| | | ENRICHMENT | | | | | |
| 2918.0 | 25594- | AND ALTERATION | WIPO | PCT | PCT/US2006/012778 | 4/5/2006 | |
| | ′ 0008WO1 | OF | | | , | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| | | CIRCULATING TUMOR | | | | | |
| | | CELLS AND | | | | | |
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| | | PARTICLES DEVICES | | | | | |
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| | | METHODS FOR | | | | | |
| | | ENRICHMENT | | | | | 021611/07 |
| 2918.0 | 26051- | AND ALTERATION | US | UTL | 11/449,161 | 6/8/2006 | 021611/07 |
| 2910.0 | 0008002 | OF | 03 | OIL | 11/449,101 | 0/8/2000 | September 30, 2008 |
| | | CIRCULATING | | | | | 30, 2000 |
| | | TUMOR CELLS AND | | | | | |
| | | OTHER | | | | | |
| | | PARTICLES DEVICES | | | | | |
| | | AND | | | | | |
| | | METHODS | | | | | |
| | | FOR ENRICHMENT | | | | | |
| | 26051- | AND | | | | | |
| 2918.1 | 0008JP1 | ALTERATION OF | JP | NP | 2008-505508 | 4/5/2006 | |
| | | CIRCULATING | | | | | |
| | | TUMOR | | | | | |
| | | CELLS AND OTHER | | | | | |
| | | PARTICLES | | | | | |

Attorney Docket No.: 25594-0006; MGH 2813

| 2918.11 | 26051- 0008EP1 | DEVICES AND METHODS FOR ENRICHMENT AND ALTERATION OF CIRCULATING TUMOR CELLS AND OTHER PARTICLES | EP | NP | 6749394 | 4/5/2006 | |
|---------|-------------------|--|----|----|---------|----------|--|
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MGH 2554

| MGH Ref. | F&R Ref. | Title | Country | Case Type | Application No. | Filing Date | Toner Assignment Reel/Frame and Date Recorded |
|-------------|-------------|---|--------------|--------------|-----------------|---------------------|---|
| 2554.01 | | System for delivering a diluted solution of blood from a sample collection tube | US | PROV | 60/549,680 | March 3, 2004 | |
| 2554.02 | | System for delivering a diluted solution | US | UTL | 11/071,270 | March 3, 2005 | 016982/0340 January 6, 2006 |
| 2554.03 | | System for delivering a diluted solution | WIPO | PCT | PCT/US05/07139 | March 3, 2005 | |
| 2554.05 | | System For Delivering A Diluted Solution | Europe | NP | 05724645.6 | March 3, 2005 | |
| 2554.06 | | System for delivering a diluted solution | Hong Kong | NP | 07110530.9 | March 3, 2005 | |

MGH 2555 (FR 25594-0005)

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|-------------|-------------------|---|-----------|--------------|-----------------|---------------------|---|
| MGH Ref. | F&R Ref. | Title | Country | Case Type | Application No. | Filing Date | Toner Assignment Reel/Frame and Date Recorded |
| 2555.02 | 25594- 0005002 | Magnetic Device for Isolation of Cells and Biomolecules in a Microfluidic Environment | US | CON | 12/509,237 | July 24, 2009 | |
| 2555.01 | 25994- 0005P01 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic Environment | US | PROV | 60/549,610 | March 3, 2004 | |
| 2555.02 | 25594- 0005001 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic Environment | US | UTL | 11/071,679 | March 3, 2005 | 016916/0295 December 19, 2005 |
| 2555.03 | 25594- 0005AU1 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic Environment | WIPO | PCT | PCT/US05/007058 | | |
| 2555.06 | 25594- 0005AU1 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic Environment | Australia | NP | 2005218622 | | |

| 2555.04 | 25594- 0005CA1 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic Environment | Canada | NP | 2,557,819 | |
|---------|-------------------|---|--------------|----|-----------------|--|
| 2555.07 | 25594- 0005CN1 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic Environment | China | NP | 200580006643.6 | |
| 2555.08 | 25594- 0005EP1 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic Environment | Europe | NP | 05724574.8 | |
| 2555.10 | 25594- 0005HK1 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic Environment | Hong Kong | NP | 08107010.3 | |
| 2555.09 | 25594- 0005IN1 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic Environment | India | NP | 3662/CHENP/2006 | |
| 2555.05 | 25594- 000JP1 | Magnetic Device For Isolation Of Cells And Biomolecules In A Microfluidic | Japan | NP | 2007-502005 | |

| | Environment | | | | | | | | |
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MGH 3275 (FR 25594-0022)

| MGH Ref. | F&R Ref. | Title | Country | Case Type | Application No. | Filing Date | Toner Assignment Reel/Frame and Date Recorded |
|-------------|-------------------|--|---------|--------------|-------------------|---------------------|---|
| 3275 | 25994- 0022P01 | SELECTION OF CELLS USING BIOMARKERS | US | PRO. | 60/820,778 | July 28, 2006 | 018210/0588 September 6, 2006 |
| 3275.02 | 25994- 0022001 | SELECTION OF CELLS USING BIOMARKERS | US | UTL | 11/830,546 | July 30, 2007 | |
| 3275.03 | 25994- 0022WO1 | SELECTION OF CELLS USING BIOMARKERS | WIPO | PCT | PCT/US2007/074759 | July 30, 2007 | |