

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3736048

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES M. BROWN	05/09/2007
SUNDAR RAMAN	09/15/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SIRF TECHNOLOGY, INC.
<b>Street Address:</b>	148 EAST BROKAW ROAD
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95112
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13349102
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
<b>Email:</b>	btwalker@qualcomm.com
<b>Correspondent Name:</b>	QUALCOMM INCORPORATED
<b>Address Line 1:</b>	5775 MOREHOUSE DRIVE
<b>Address Line 4:</b>	SAN DIEGO, CALIFORNIA 92121
<b>NAME OF SUBMITTER:</b>	BRETT T. WALKER
<b>SIGNATURE:</b>	/Brett T. Walker/
<b>DATE SIGNED:</b>	02/11/2016
<b>Total Attachments: 4</b>	
source=CSR Assignment#page3.tif	
source=CSR Assignment#page4.tif	
source=CSR Assignment#page5.tif	
source=CSR Assignment#page6.tif	

**CONFIRMATORY ASSIGNMENT**

This Confirmatory Assignment ("Assignment") shall be effective as of \_\_\_\_\_, 2006 ("Effective Date") by and between:

SUNDAR RAMAN, residing at 40617 Caliente Way, Fremont, CA 94539; and JAMES M. BROWN, residing at 394 Agate St., Laguna Beach, CA 92651; (collectively "ASSIGNORS"), and

SiRF Technology, Inc., a corporation of the State of Delaware, having a principal place of business at 148 E. Brokaw Road, San Jose, CA 95112 ("SiRF").

**1.0 Background**

1.1 ASSIGNORS, through their employment with SiRF, as either employees or contractors, as the case may be, invented certain new and useful improvements as described and set forth in an application for Letters Patent of the United States titled "SYSTEM AND METHOD FOR SYNCHRONIZING DIGITAL BITS IN A DATA STREAM", U.S. Serial No. 11/553,983 filed on October 27, 2006, which claims priority to US Provisional Patent Application Serial No. 60/818,371 filed on June 30, 2006. The subject matter of their patent application shall be referred to as the "Invention."

1.2 SiRF, as employer of ASSIGNORS, owns all right, title and interest in and to the Invention. ASSIGNORS, as consideration for their employment with SiRF, agreed to execute all the necessary documents in order to perfect and confirm SiRF's ownership in any inventions created or developed by ASSIGNORS during their employment with SiRF.

1.3 For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS are executing their Assignment in order to confirm SiRF's ownership in and to formally transfer to SiRF all right, title and interest in and to the Invention and all Letters Patent which may be granted from the Invention in the United States or any foreign country.

**2.0 Assignment**

2.1 ASSIGNORS sell, assign and transfer to SiRF, effective as of the Effective Date first set forth above, the full and exclusive right, title and interest in and to the Invention and all Letters Patent which may be granted from the Invention in the United States, including any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the patents may be granted.

2.2 ASSIGNORS also assign all of their right, title and interest in and to the Invention in all foreign countries, including the right to apply for a patent in any foreign country and the right to all current and further applications for patents for the Invention, including the right to claim International Convention priority.

2.3 ASSIGNORS further transfer and assign to SIRF all causes of action, rights, and remedies arising under any such patent or application prior to or after the Effective Date of their Agreement.

2.4 ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with their assignment and sale.

2.5 ASSIGNORS further covenant that, upon SIRF's request, ASSIGNORS will promptly provide SIRF with all pertinent facts and documents relating to the Invention, and patents or patent applications as may be known and accessible to ASSIGNORS and ASSIGNORS will testify as to the same in any interference or litigation related to the Invention or any patent or patent application related thereto and will promptly execute and deliver to SIRF or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce the Invention and any patents or patent application relating to the Invention as may be reasonably necessary or desirable.

The terms, covenants and provisions of their Assignment shall inure to the benefit of SIRF, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNORS, their heirs, legal representatives and assignees.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

May 9/2007

\_\_\_\_\_  
Sundar Raman

  
\_\_\_\_\_  
James M. Brown

**CONFIRMATORY ASSIGNMENT**

This Confirmatory Assignment ("Assignment") shall be effective as of \_\_\_\_\_, 2006 ("Effective Date") by and between:

SUNDAR RAMAN, residing at 40617 Caliente Way, Fremont, CA 94539; and JAMES M. BROWN, residing at 394 Agate St., Laguna Beach, CA 92651; (collectively "ASSIGNORS"), and

SiRF Technology, Inc., a corporation of the State of Delaware, having a principal place of business at 217 Devcon Drive, San Jose, CA 95112 ("SiRF").

**1.0 Background**

1.1 ASSIGNORS, through their employment with SiRF, as either employees or contractors, as the case may be, invented certain new and useful improvements as described and set forth in an application for Letters Patent of the United States titled "SYSTEM AND METHOD FOR SYNCHRONIZING DIGITAL BITS IN A DATA STREAM", U.S. Serial No. 11/553,983 filed on October 27, 2006, which claims priority to US Provisional Patent Application Serial No. 60/818,371 filed on June 30, 2006. The subject matter of their patent application shall be referred to as the "Invention."

1.2 SiRF, as employer of ASSIGNORS, owns all right, title and interest in and to the Invention. ASSIGNORS, as consideration for their employment with SiRF, agreed to execute all the necessary documents in order to perfect and confirm SiRF's ownership in any inventions created or developed by ASSIGNORS during their employment with SiRF.

1.3 For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS are executing their Assignment in order to confirm SiRF's ownership in and to formally transfer to SiRF all right, title and interest in and to the Invention and all Letters Patent which may be granted from the Invention in the United States or any foreign country.

**2.0 Assignment**

2.1 ASSIGNORS sell, assign and transfer to SiRF, effective as of the Effective Date first set forth above, the full and exclusive right, title and interest in and to the Invention and all Letters Patent which may be granted from the Invention in the United States, including any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the patents may be granted.

2.2 ASSIGNORS also assign all of their right, title and interest in and to the Invention in all foreign countries, including the right to apply for a patent in any foreign country and the right to all current and further applications for patents for the Invention, including the right to claim International Convention priority.

2.3 ASSIGNORS further transfer and assign to SiRF all causes of action, rights and remedies arising under any such patent or application prior to or after the Effective Date of their Agreement.

SIRF-146US

2.4 ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with their assignment and sale.

2.5 ASSIGNORS further covenant that, upon SIRF's request, ASSIGNORS will promptly provide SIRF with all pertinent facts and documents relating to the Invention, and patents or patent applications as may be known and accessible to ASSIGNORS and ASSIGNORS will testify as to the same in any interference or litigation related to the Invention or any patent or patent application related thereto and will promptly execute and deliver to SIRF or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce the Invention and any patents or patent application relating to the Invention as may be reasonably necessary or desirable.

The terms, covenants and provision of their Assignment shall inure to the benefit of SIRF, its successors, assigns and other legal representatives, and shall be binding upon ASSIGNORS, their heirs, legal representatives and assignees.

Sept 15, 2010  
Date

Sundar Raman  
Sundar Raman

\_\_\_\_\_  
Date

\_\_\_\_\_  
James M. Brown