

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5831073

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TECHFARM VENTURES MANAGEMENT, LLC	08/31/2006
RECEIVING PARTY DATA	
Name:	QST HOLDINGS, LLC
Street Address:	2275 EAST BAYSHORE ROAD, SUITE 150
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94303
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	12578566
Application Number:	12860772
Application Number:	13589656
CORRESPONDENCE DATA	
Fax Number:	(312)977-4405
<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>	
Email:	ldstewart@nixonpeabody.com
Correspondent Name:	NIXON PEABODY LLP
Address Line 1:	70 WEST MADISON STREET, SUITE 3500
Address Line 4:	CHICAGO, ILLINOIS 60602
ATTORNEY DOCKET NUMBER:	046301-QST-CORNAMI
NAME OF SUBMITTER:	WAYNE L. TANG
SIGNATURE:	/Wayne L. Tang--Reg. No. 36028/
DATE SIGNED:	11/20/2019
Total Attachments: 18	
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page1.tif	
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page2.tif	
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page3.tif	
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page4.tif	
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page5.tif	

source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page6.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page7.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page8.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page9.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page10.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page11.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page12.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page13.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page14.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page15.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page16.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page17.tif
source=assignment-RF-18398-537-Techfarm-to-QST_Holdings-7822109_6577678#page18.tif

PATENT ASSIGNMENT AND AGREEMENT

TECHFARM VENTURES MANAGEMENT, LLC, as Collateral Agent for TechFarm Ventures (Q), L.P., TechFarm Ventures, L.P., Sigma Partners 6, L.P., Sigma Associates 6, L.P., Sigma Investors 6, L.P., Selby Venture Partners II, L.P., Emerging Alliance Fund, L.P., and Portview Communications Partners, L.P. (collectively, the "Lenders"), for and in consideration of the sum of Ten Dollars (\$10.00), to us in hand paid by QST Holdings, LLC, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, TechFarm Ventures Management, LLC (hereinafter referred to as "TechFarm Ventures Management"), a Delaware Limited Liability Company having a place of business at 200 West Evelyn Avenue, Mountain View, California, 94041 USA, has sold, assigned, transferred and conveyed and does hereby **SELL, ASSIGN, TRANSFER and CONVEY**, unto **QST HOLDINGS, LLC**, its successors, assigns and legal representatives (hereinafter referred to as "QST Holdings"), a Delaware Limited Liability Company having a place of business at 200 West Evelyn Avenue, Mountain View, California, 94041 USA, as QST Holdings' exclusive property, the entire right, title, and interest for the United States of America in and to any and all inventions, improvements, Letters Patent and applications for Letters Patent owned, acquired or assigned to TechFarm Ventures Management as Collateral Agent for Lenders under the Certificate of Turnover of Collateral in Full Satisfaction of Obligations dated October 13, 2005, in whole or in part, by operation of law or otherwise, together with the entire right, title and interest in and to any divisions, extensions, continuations, continuations-in-part, reexaminations or reissues thereof, including without limitation of the generality of the foregoing, the entire right, title and interest in and to those patents and patent applications listed on Exhibit A attached hereto and incorporated herein by this reference with the same full force and effect as if set forth in its entirety herein, and any divisions, extensions, continuations, continuations-in-part, reexaminations or reissues thereof, to have and to hold the same to the full end of the term or terms for which any and all Letters Patent may be granted, and also does hereby sell, assign, transfer and convey, any and all existing or accrued causes of action of or relating to said foregoing Letters Patent and applications for Letters Patent, including without limitation of the generality of the foregoing, any and all existing or accrued causes of action for infringement of said foregoing Letters Patent and applications for Letters Patent.

TECHFARM VENTURES MANAGEMENT hereby also sells, assigns, transfers and conveys unto QST HOLDINGS, its successors, assigns and legal representatives, the entire right, title and interest in and to said foregoing Letters Patent and applications for Letters Patent in all countries foreign to the United States of America, including any and all rights under any and all international conventions and treaties in respect of said Letters Patent in foreign countries, and TechFarm Ventures Management further authorizes QST Holdings to apply for or obtain Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of any applications for said Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

TECHFARM VENTURES MANAGEMENT hereby authorizes and requests the Commissioner of Patents of the United States of America to issue the said any and all Letters Patent of the United States to QST HOLDINGS as the assignee of the entire right, title and interest in and to the same, and to otherwise issue Letters Patent upon the aforesaid applications, divisions, extensions, continuations, continuations-in-part, reexaminations or reissues, to QST Holdings, for the sole use and benefit of QST Holdings, its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted, the same as they would have been held and enjoyed by TechFarm Ventures Management had this assignment not been made, and TechFarm Ventures Management does hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to QST Holdings.

The undersigned represents that he is an authorized agent of **TECHFARM VENTURES MANAGEMENT, LLC**.

Signed at Mountain View, California, this _____ day of August, 2006.

TECHFARM VENTURES MANAGEMENT, LLC

By _____

Gordon Campbell

Senior Managing Member

TechFarm Ventures Management, LLC

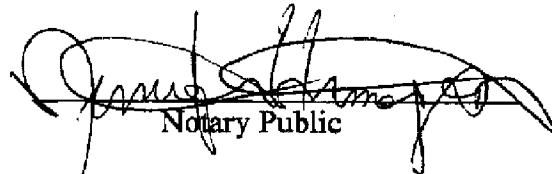
STATE OF CALIFORNIA)
)
COUNTY OF SANTA CLARA)

I, Jennifer Hinnegan a Notary Public in and for the County and State aforesaid, do hereby certify Gordon Campbell, known to me to be the Senior Managing Member of TechFarm Ventures Management, LLC., appeared before me this day in person and acknowledged executing, signing, sealing and delivering the foregoing Patent Assignment and Agreement as the free and voluntary act and deed of TechFarm Ventures Management, LLC, for the uses and purposes set forth therein.

Given under my hand and notarial seal this 31st day of August, 2006.

SEAL




Notary Public

My commission expires: November 17, 2006

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

**CERTIFICATE OF TURNOVER OF COLLATERAL
IN FULL SATISFACTION OF OBLIGATIONS**

[CALIFORNIA COMMERCIAL CODE § 9620]

On or about June 1, 2004, Quicksilver Technology, Inc. ("Quicksilver" or "Debtor") issued secured promissory notes in the aggregate principal amount of \$1,525,000.00 to TechFarm Ventures (Q), L.P., TechFarm Ventures, L.P., Sigma Partners 6, L.P., Sigma Associates 6, L.P., Sigma Investors 6, L.P., Selby Venture Partners II, L.P., Emerging Alliance Fund, L.P., and Portview Communications Partners, L.P. (collectively, the "Lenders"), pursuant to certain loan documents including Secured Convertible Promissory Notes, a Note Purchase Agreement and a Security Agreement (collectively, the "June Loan Documents").

On or about August 2, 2004 and again on or about November 2, 2004, Debtor issued additional secured promissory notes in subsequent loan closings to certain of the Lenders, in the principal amounts of \$508,000.00 and \$125,000.00 respectively. The principal amount of the notes issued to each of the Lenders is described in Schedule I of the Note Purchase Agreement and in each of the related Secured Convertible Promissory Notes. These documents, together with the June Loan Documents, are hereinafter collectively referred to as the "Loan Documents").

On or about June 1, 2004, Quicksilver together with the Lenders entered into the aforementioned Security Agreement whereby collateral agent TechFarm Ventures Management, LLC ("Collateral Agent"), on behalf of the Lenders, was granted a security interest in certain property of Quicksilver (the "Subject Assets"). A description of the Subject Assets is attached hereto as Exhibit A.

In accordance with the Loan Documents, the amount of Quicksilver's obligations to Lenders includes principal in the amount of \$2,133,000.00. In addition, unpaid interest in an amount of not less than \$165,570.00 has accrued on the outstanding principal balance under the Secured Convertible Promissory Notes (collectively, the "Notes"). In sum, the aggregate of all outstanding principal under the Notes together with accrued and unpaid interest, fees and costs thereon is in an amount of not less than \$2,298,570.00. This amount, together with any and all other amounts that may be due and owing to Lenders pursuant to the Loan Documents shall hereinafter be collectively referred to the "Quicksilver Obligation."

Debtor is in default under each of the Notes for, among other reasons, its failure to make payments when due.

To satisfy the Quicksilver Obligation, Quicksilver has agreed to transfer any and all of its interest in the Secured Assets to the Collateral Agent, except for certain Cash-On-Hand as defined below, and the Lenders, in turn, have agreed to accept the Secured Assets (excepting the Cash-On-Hand being retained by Quicksilver) by and through the Collateral Agent as full satisfaction of the Quicksilver Obligation.

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

NOW THEREFORE, THE PARTIES AGREE AS FOLLOWS:

Pursuant to § 9620 of the California Commercial Code, and in full satisfaction of the Quicksilver Obligation, Quicksilver does hereby transfer, assign, license and deliver (collectively, "transfer") to TechFarm Ventures Management, LLC, as Collateral Agent under the Security Agreement, all of the rights, title and interest of Debtor to and in all of the Subject Assets of Debtor except as set forth below, which Subject Assets are described in Exhibit A attached hereto, which is incorporated herein by reference. Notwithstanding the foregoing, Quicksilver shall not transfer, and may retain possession of, pay retainers with, or use in its reasonable judgment for purposes of winding up the company's affairs, certain of the funds it holds in bank accounts in the amount of not more than \$40,000.00 (the "Cash-On-Hand"). The parties acknowledge the Quicksilver Obligation is in an amount of not less than TWO MILLION TWO HUNDRED NINETY-EIGHT THOUSAND FIVE HUNDRED SEVENTY DOLLARS (\$2,298,570.00).

The term "transfer" shall herein be deemed to include the assignment, licensing and delivery of Subject Assets, which shall further include but not be limited to the licensing of the Collateral Agent to use Subject Assets wherever required.

Any portion of the Cash-On-Hand held by Quicksilver at such time that a wind down and dissolution of the company has been completed, or remaining from retainers paid to counsel, shall be transferred (or caused to be transferred) to Collateral Agent at that time.

AS BETWEEN DEBTOR AND COLLATERAL AGENT, THE SUBJECT ASSETS ARE TRANSFERRED AND LICENSED "AS IS," "WHERE IS," AND "IF IN," WITH ALL FAULTS. EXCEPT AS EXPRESSLY HEREIN PROVIDED, DEBTOR SPECIFICALLY DISCLAIMS ALL WARRANTIES, WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, NONINFRINGEMENT, POSSESSION, QUIET ENJOYMENT OR TITLE, OR ANY WARRANTIES ARISING FROM A COURSE OF DEALING, TRADE USAGE OR TRADE PRACTICE.

Debtor acknowledges that it has not relied upon any representations of Collateral Agent or Lenders, except as may specifically be provided herein, in entering into this transfer of Subject Assets. Collateral Agent and Lenders agree that they are accepting the Subject Assets in full satisfaction of the Quicksilver Obligation.

As between Debtor and Collateral Agent, in addition to any other consideration, Collateral Agent shall be liable for costs associated with the transfer of the Subject Assets, including all sales or use taxes, to the extent any may exist or be assessed, and shall hold Debtor harmless from costs relating thereto, if any.

Quicksilver agrees to cooperate with Collateral Agent in completing any documents that, in Collateral Agent's sole opinion, are necessary to give effect to this agreement.

10/19/2005 14:49 +1-408-379-8685 BRYAN & JAIN WANG PAGE 02/02


EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

All aspects of this agreement, including construction, validity and performance of this agreement, shall be governed by, and construed and enforced in accordance with, the laws of the State of California. The parties agree that the state or federal courts in the County of Santa Clara, State of California shall have exclusive jurisdiction with respect to any dispute arising under this agreement.

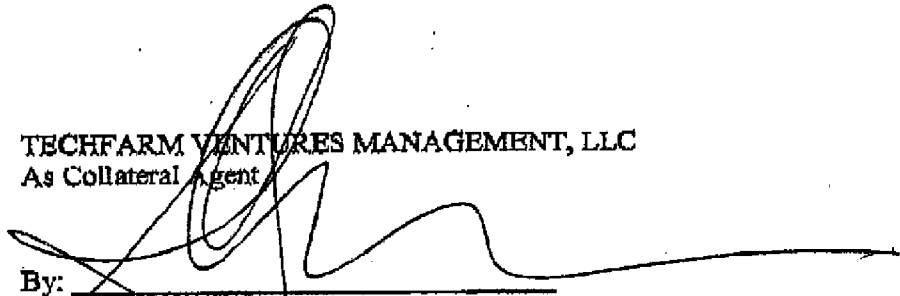
This agreement may be executed in any number of counterparts, each of which shall be an original, but all of which together shall be deemed to constitute one instrument.

This agreement is effective as October 13, 2005.

QUICKSILVER TECHNOLOGY, INC.

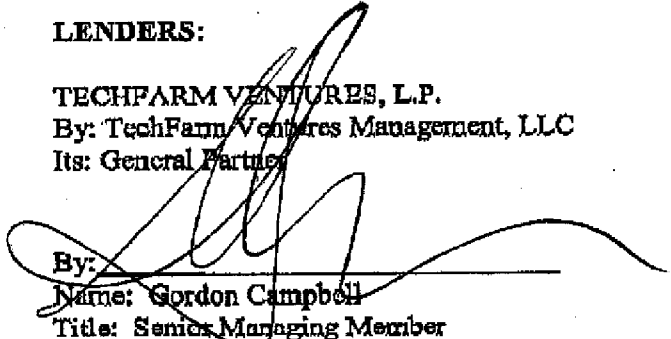
By: 
Name: BRYAN WANG
Its: CFO

TECHFARM VENTURES MANAGEMENT, LLC
As Collateral Agent

By: 
Name: Gordon Campbell
Title: Senior Managing Member

LENDERS:

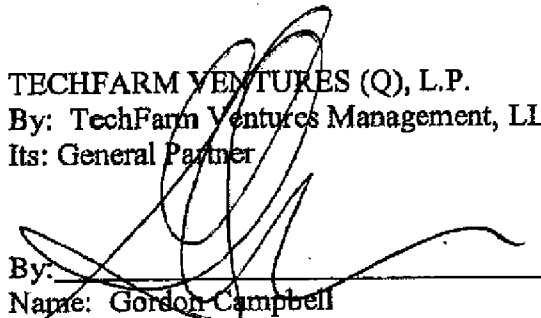
TECHFARM VENTURES, L.P.
By: TechFarm Ventures Management, LLC
Its: General Partner

By: 
Name: Gordon Campbell
Title: Senior Managing Member

[Signatures are continued on the next page.]

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

TECHFARM VENTURES (Q), L.P.
By: TechFarm Ventures Management, LLC
Its: General Partner

By: 
Name: Gordon Campbell
Title: Senior Managing Member

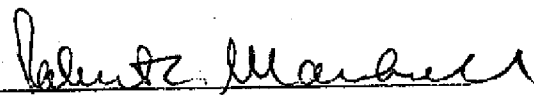
SIGMA ASSOCIATES 6, L.P.
By its General Partner:
SIGMA MANAGEMENT 6, L.L.C.

SIGMA INVESTORS 6, L.P.
By its General Partner:
SIGMA MANAGEMENT 6, L.L.C.

SIGMA PARTNERS 6, L.P.
By its General Partner:
SIGMA MANAGEMENT 6, L.L.C.

By: _____
Name: _____
Title: _____

SELBY VENTURE PARTNERS II, L.P.

By: 
Name: Robert C. Marshall
Title: Managing Partner

[Signatures are continued on the next page.]

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

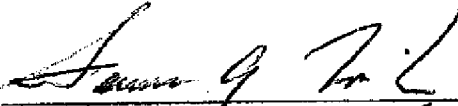
TECHFARM VENTURES (Q), L.P.
By: TechFarm Ventures Management, LLC
Its: General Partner

By: _____
Name: Gordon Campbell
Title: Senior Managing Member

SIGMA ASSOCIATES 6, L.P.
By its General Partner:
SIGMA MANAGEMENT 6, L.L.C.

SIGMA INVESTORS 6, L.P.
By its General Partner:
SIGMA MANAGEMENT 6, L.L.C.

SIGMA PARTNERS 6, L.P.
By its General Partner:
SIGMA MANAGEMENT 6, L.L.C.

By: 
Name: LAURENCE G. FINCH
Title: Managing Director

SELBY VENTURE PARTNERS II, L.P.

By: _____
Name: Robert C. Marshall
Title: Managing Partner

[Signatures are continued on the next page.]

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

TECHFARM VENTURES (Q), L.P.
By: TechFarm Ventures Management, LLC
Its: General Partner

By: _____
Name: Gordon Campbell
Title: Senior Managing Member

SIGMA ASSOCIATES 6, L.P.
By its General Partner:
SIGMA MANAGEMENT 6, L.L.C.

SIGMA INVESTORS 6, L.P.
By its General Partner:
SIGMA MANAGEMENT 6, L.L.C.

SIGMA PARTNERS 6, L.P.
By its General Partner:
SIGMA MANAGEMENT 6, L.L.C.

By: _____
Name: _____
Title: _____

SELBY VENTURE PARTNERS II, L.P.


By: Robert C. Marshall
Name: Robert C. Marshall
Title: Managing Partner

[Signatures are continued on the next page.]

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

EMERGING ALLIANCE FUND, L.P.

By: VENTURETECH ALLIANCE, L.L.C.
Its General Partner

By: 
Name: Ronald C. Norris
Title: Managing Member

PORTVIEW COMMUNICATIONS PARTNERS, L.P.

By: _____
Name: Shawna Morehouse and Scott Somerville
Title: Authorized Signatories
For and on Behalf of CIBC Bank and
Trust Company (Cayman) Limited in its
Capacity as Administrator of Portview
Communications Management LLC, the
General Partner of Portview
Communications Partners LP

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

EMERGING ALLIANCE FUND, L.P.

By: VENTURETECH ALLIANCE, L.L.C.
Its General Partner

By: _____
Name: Ronald C. Norris
Title: Managing Member

PORTVIEW COMMUNICATIONS PARTNERS, L.P.

By: RQE
Name: ~~Shawna Merchouse and Scott Somerville~~
Title: Authorized Signatories
~~For and on Behalf of CIBC Bank and~~
~~Trust Company (Cayman) Limited in its~~
Capacity as Administrator of Portview
Communications Management LLC, the
General Partner of Portview
Communications Partners LP

RONAN GUILFOYLE
Admiral Administration Ltd.

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

EXHIBIT A TO CERTIFICATE OF TURNOVER OF COLLATERAL
IN FULL SATISFACTION OF OBLIGATIONS

The Subject Assets are as follows:

All right, title, interest, claims and demands of Company in and to the following property:

(i) All goods and equipment now owned or hereafter acquired, including, without limitation, all laboratory equipment, computer equipment, office equipment, machinery, fixtures, vehicles, and any interest in any of the foregoing, and all attachments, accessories, accessions, replacements, substitutions, additions, and improvements to any of the foregoing, wherever located;

(ii) All inventory now owned or hereafter acquired, including, without limitation, all merchandise, raw materials, parts, supplies, packing and shipping materials, work in process and finished products including such inventory as is temporarily out of Company's custody or possession or in transit and including any returns upon any accounts or other proceeds, including insurance proceeds, resulting from the sale or disposition of any of the foregoing and any documents of title representing any of the above, and Company's books relating to any of the foregoing;

(iii) All contract rights, general intangibles, health care insurance receivables, payment intangibles and commercial tort claims, now owned or hereafter acquired, including, without limitation, all patents, patent rights (and applications and registrations therefor), trademarks and service marks (and applications and registrations therefor), inventions, copyrights, mask works (and applications and registrations therefor), trade names, trade styles, software and computer programs, trade secrets, methods, processes, know how, drawings, specifications, descriptions, and all memoranda, notes, and records with respect to any research and development, goodwill, license agreements, franchise agreements, blueprints, drawings, purchase orders, customer lists, route lists, infringements, claims, computer programs, computer disks, computer tapes, literature, reports, catalogs, design rights, income tax refunds, payments of insurance and rights to payment of any kind and whether in tangible or intangible form or contained on magnetic media readable by machine together with all such magnetic media;

(iv) All now existing and hereafter arising accounts, contract rights, royalties, license rights and all other forms of obligations owing to Company arising out of the sale or lease of goods, the licensing of technology or the rendering of services by Company (subject, in each case, to the contractual rights of third parties to require funds received by Company to be expended in a particular manner), whether or not earned by performance, and any and all credit insurance, guarantees, and other security therefor, as well as all merchandise returned to or reclaimed by Company and Company's books relating to any of the foregoing;

(v) All documents, cash, deposit accounts, letters of credit, letter of credit rights, supporting obligations, certificates of deposit, instruments, chattel paper, electronic chattel paper, tangible chattel paper and investment property, including, without limitation, all securities, whether certificated or uncertificated, security entitlements, securities accounts, commodity contracts and commodity accounts, and all financial assets held in any securities account or otherwise, wherever located, now owned or hereafter acquired and Company's books relating to the foregoing; and

C:\N\PortB\FAL\B2\MS\2300324_3.DOC

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

(vi) Any and all claims, rights and interests in any of the above and all substitutions for, additions and accessions to and proceeds thereof, including, without limitation, insurance, condemnation, requisition or similar payments and the proceeds thereof.

C:\r\Pat\IPALIB2\MS2800324_3.DOC

2 of 7

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

**SCHEDULE A
TO SECURITY AGREEMENT**

COPYRIGHTS

None

PATENTS

<u>Title</u>	<u>Date Issued</u>	<u>Patent No.</u>
Method and System for Reconfigurable Channel Coding	May 10, 2003	6577678
Adaptive and Reconfigurable Integrated Circuitry for Multimode Rake Reception For Dynamic Search and Multipath Resolution	Sept 9, 2003	6618434
High Performance Memory Efficient Variable-Length Coding Decoder	July 1, 2003	6587057
Method, System And Language Structure For Programming Reconfigurable Hardware	May 4, 2004	6732354

PATENT APPLICATIONS

See attached list
"Patent Applications Filed"

TRADEMARKS

None

TRADEMARK APPLICATIONS

None

MASK WORKS

None

[LICENSES OF PATENTS, TRADEMARKS, COPYRIGHTS OR MASK WORKS]
(other than non-exclusive licenses to end-users)

See attached list

"Patent Licenses (exclusive)"

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

QuickSilver Technology, Inc.
Patent License Agreements
7/29/2005

Company Name	Type of Agreement	Patent Number	Patent Title	Comments/Status
Giga Operations, Inc.	Exclusive	5,857,109	Programmable logic device for real time video processing.	Patents assigned to and owned by QuickSilver
	Exclusive	5,652,875	Implementation of a selected instruction set CPU in programmable hardware.	"
	Exclusive	5,603,043	System for compiling algorithmic language source code for implementation in programmable hardware.	"
Virginia Tech	Exclusive	5,828,858	Warm-hole Run-time Reconfigurable Processor Field Programmable Gate Array (FPGA)	Signed agreement in place.

Patent Licenses (exclusive).xls

**EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC**

Continued from Page 17

APPLICATIONS FILED WITH USPTO

QST-001 US	ADAPTIVE INTEGRATED CIRCUITRY WITH HETEROGENEOUS AND RECONFIGURABLE MATRICES OF DIVERSE AND ADAPTIVE COMPUTATIONAL UNITS HAVING FIXED, APPLICATION SPECIFIC COMPUTATIONAL ELEMENTS	22-Mar-01	09/016,122
QST-014 US	Method and System for Scheduling in an Adaptive Computing Engine	31-May-01	09/072,397
QST-016 US	Method and System for an Interconnection Network To Support Communications Among A Plurality Of Heterogeneous Processing Elements	08-Jul-01	09/099,258
QST-012 US	METHOD AND SYSTEM FOR DIGITAL SIGNAL PROCESSING IN AN ADAPTIVE COMPUTING ENGINE	26-Jul-01	09/016,141
QST-013 US	Method and System For Encoding Instructions For A VLIW That Reduces Instruction Memory Requirements	25-Jul-01	09/016,142
QST-026 US	Predicting Resource Allocation	09-Oct-01	09/074,571
QST-030 US	Method and System for Allocating Power Consumption in Embedded Systems With Cook Evidle Control	28-Nov-01	09/096,084
QST-027 US	Location or Routing of Silicon Chips to Product Design Engineers and Other Specific Computational Elements	28-Nov-01	09/099,008
QST-002 US	System and Method For Configuration Of Adaptive Integrated Circuitry Having Fixed, Application Specific Computational Elements	30-Nov-01	09/097,550
QST-003 US	Apparatus, Method and System For Configuration and Operation Of Adaptive Integrated Circuitry Having Fixed, Application Specific Computational Elements	30-Nov-01	09/097,567
QST-018 US	Combining Silicon Hardware with Software (Application) by System Level Sales	05-Dec-01	10/010,018
QST-022 US	METHOD AND SYSTEM FOR Increasing Accuracy and Precision of Base Stations for Cellular Communications Via mobile base stations	05-Dec-01	10/010,596
QST-033 US	Water Marking of Hardware Bit Files	05-Dec-01	10/020,149
QST-020 US	System For Allocating Device Standards After Manufacture	10-Dec-01	10/013,825
QST-045 US	Method and System For Managing HW Resources To Implement System Functions Using An Adaptive Computing Architecture	12-Dec-01	10/015,544
QST-048 US	Aggregating Unused Hardware Resources to Transferred Applications	12-Dec-01	10/015,530
QST-051 US	A method to detect a scanning codes in a group using a single code generator in stage 3 of the 3DPC WCDMA, forward synchronization algorithm	12-Dec-01	10/015,537
QST-052 US	A low IO bandwidth method to detect 8 scanning codes in a group using a single code generator in stage 3 of the 3DPC WCDMA, forward synchronization algorithm	12-Dec-01	10/015,531
QST-042 US	Computer Processor Architecture Selectively Using Finite-State-Machine for Control Code Execution	13-Dec-01	10/022,778
QST-050 US	A Universal Adaptive Hardware Unit	21-Dec-01	10/029,502
QST-007 US	APPARATUS, METHOD AND SYSTEM FOR GENERATING A UNIQUE HARDWARE CONFIGURATION INSEPARABLE FROM CORRESPONDINGLY UNIQUE CONTENT	27-Dec-01	10/034,033
QST-006 US	Apparatus and Method For Adaptive Multimedia Reception and Transmission	04-Jan-02	10/040,100
QST-005 US	METHOD AND SYSTEM FOR IMPLEMENTING A SYSTEM ACQUISITION FUNCTION FOR USE WITH A COMMUNICATION DEVICE	04-Feb-02	10/057,496
QST-050 US	Method and System For Data Flow Control of Execution Nodes of An ACE	05-Mar-02	10/052,859
QST-044 US	Hardware Implementation Of The Secure Hash Standard	05-Mar-02	10/053,186
QST-083 US	A scripting language for describing and encoding fixed structured data such as ASN.1	29-Apr-02	10/136,095
QST-023 US	Caching Features for a telephone on a Network - Adaptive compression	29-Apr-02	10/136,805
QST-010 US	Visually Guided Integrated Circuit Package	08-May-02	10/140,256
QST-010 PR US	Method and System for Optimizing Operations of an ACE	13-May-02	60/378,098
QST-047 PR US	METHOD AND SYSTEM FOR ACHIEVING INDIVIDUALIZED PROTECTED SPACE IN AN OPERATING SYSTEM	13-May-02	60/380,877
QST-057 US	Method for ordering instructions for scheduling by a modulo scheduler for processors with a large number of function units and reconfigurable data paths	15-May-02	10/146,857
QST-066 US	Method for determining cost when packing instructions within a modulo scheduler when scheduling for processors with a large number of function units or reconfigurable data paths	31-May-02	10/160,056
QST-064 PR US	ACM Infrastructure Allows Fast Time-to-Market SOCs	12-Jun-02	60/268,249
QST-072 PR US	BAN - RECONFIGURABLE ARITHMETIC NODE	25-Jun-02	60/291,874
QST-058 US	Method and System for Supporting both Hard and Soft Realtime Paths	03-Jul-02	10/188,791
QST-062 US	Block Floating Point Accumulator	03-Jul-02	10/192,381
QST-046 US	Network Distribution Model (continued with QST-065 US - A method for securely distributing and downloading new hardware configurations)	18-Jul-02	10/193,923

Continued from Page 17

**EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC**

Continued from Page 18
Updated 12/20/2005

APPLICATIONS FILED WITH USPTO

Application No.	Title	Filed	Pub. No.
QST-046 US	Patent Distribution Model	15-Jul-02	10759,800
QST-076 US	Reconfigurable Security Processor	25-Jul-02	10760,824
QST-070 US	Manufacturing Binary Computer Code	15-Aug-02	10723,205
QST-071 US	Two Versions of a method for Widebanding Binary Computer Code are described	15-Aug-02	10723,206
QST-068 US	Guarantee to define the scaling and pre-scalable resource requirements for tasks running on a network of heterogeneous processors	29-Aug-02	10733,175
QST-016-1P US	Method and system for an interconnection network to support communications among a plurality of heterogeneous processing elements	10-Sep-02	10724,511
QST-089 FR US	PSN - Programmable Self-Node (PSN)	30-Sep-02	60415,320
QST-090 US	A Low-Complexity Scheme in Color Compression and Down-Sampling of Image Codes	02-Oct-02	10763,941
QST-084 US	RETRIEVABLE COMPLEX FOR MULTIPLE AND DIFFERENT HARDWARE PLATFORMS	04-Oct-02	10764,485
QST-065 US	Device Use of applications for time and frequency of usage	10-Oct-02	10768,872
QST-083 US	An operating system service to record and collect computer/processor resource usage and utilization	10-Oct-02	10768,894
QST-041 FR US	Reconfigurable Bit Manipulation Node	11-Oct-02	60418,019
QST-087 FR US	PSN - Reconfigurable Self-Node	24-Oct-02	60421,543
QST-017 US	METHOD AND SYSTEM FOR PROVIDING A DEVICE WHICH CAN BE ADAPTED ON AN ONGOING BASIS	25-Oct-02	10780,486
QST-088 FR US	PSN - Run-time reconfigurable, multi-precision data-flow machine	28-Oct-02	60422,083
QST-043 US	A Mechanism for Securely Storing ACE Code On-Chip	01-Nov-02	10785,833
QST-068 FR US	Arithmetic Node Including General Digital Signal Processing Functions For An ACM	01-Nov-02	60423,010
QST-005 US	APPARATUS, METHOD AND SYSTEM FOR DEVELOPING AND SCHEDULING ADAPTIVE RECONFIGURABLE HARDWARE AND SOFTWARE	07-Nov-02	10789,639
QST-008 US	PROFILING OF SOFTWARE AND CIRCUIT DESIGNS UTILIZING DATA OPERATION ANALYSES FOR ADAPTIVE AND RECONFIGURABLE COMPUTING	07-Nov-02	10789,640
QST-051-1P US	A method to detect & scrubbing codes in a group using a single code generator in stage 3 of the (improvement)	14-Nov-02	10795,632
QST-052-1P US	A low I/O bandwidth method to detect & scrubbing codes in a group using a single code generator in stage 3 of the (improvement)	14-Nov-02	10795,662
QST-085 FR US	PSN - NEW NODE	22-Nov-02	60428,646
QST-100 FR US	PSN - NEW NODE	22-Nov-02	60428,647
QST-081 US	Method and System For Providing An Embedded-Pattern Based Audio Coding Scheme	10-Dec-02	10794,060
QST-089 US	PSN FOR PATIENT IN, Node correct irregularities / flexible automatic memory connections / fixed test methods	14-Jan-03	10742,368
QST-017 US	Hardware Resource Management Support	31-Jan-03	10759,671
QST-086 CV US	Arithmetic Node Including General Digital Signal Processing Functions For An ACM	13-Feb-03	10767,188
QST-001-1P US	ADAPTIVE INTEGRATED CIRCUITRY WITH HETEROGENEOUS AND RECONFIGURABLE MATRICES OF DIVERSE AND ADAPTIVE COMPUTATIONAL UNITS HAVING FIXED APPLICATION SPECIFIC COMPUTATIONAL ELEMENTS	07-Mar-03	10784,486
QST-087 CV US	Reconfigurable Filter Node For An Adaptive Computing Machine	11-Mar-03	10795,896
QST-011-1C US	Method and System for Reconfigurable Channel Coding	29-Mar-03	10402,691
QST-019 CV US	Method and System for Configuring Operations of an ACE	12-May-03	10437,800
QST-042 CV US	Capacity Based OS	19-May-03	10437,855
QST-072-1 CV US	PSN - RECONFIGURABLE ARITHMETIC NODE	21-May-03	10443,996
QST-072-2 CV US	PSN - Hardware Test Manager	21-May-03	10443,997
QST-072-3 CV US	Uniform Interface For A Functional Node in an ACM	21-May-03	10443,998
QST-064 CV US	ACM Interconnective Allows Feed Forward-Matrix SOCs	12-Jun-03	10443,999
QST-101 US	ACE PATIENT IN THE DIGITAL IMAGER SPACE	25-Jun-03	10706,031
QST-106 US	Frequency-Domain Scaled Scheme for Discrete Cosine Transform (DCT)	01-Jul-03	10612,702
QST-112 FR US	An Error Detection Scheme with Low-Complexity	08-Jul-03	60484,706
QST-083-1 CV US	PSN - Run-time reconfigurable, multi-precision data-flow machine	23-Jul-03	10626,633
QST-083-2 CV US	PSN - Run-time reconfigurable, multi-precision data-flow machine	23-Jul-03	10626,634
QST-083-3 CV US	PSN - Run-time reconfigurable, multi-precision data-flow machine	23-Jul-03	10626,635
QST-083-4 CV US	PSN - Run-time reconfigurable, multi-precision data-flow machine	24-Jul-03	10626,636

Continued from Page 18
Continued from Page 18
Continued from Page 18

EXHIBIT A TO PATENT ASSIGNMENT AND AGREEMENT
BETWEEN QST HOLDINGS, LLC AND TECHFARM VENTURES MANAGEMENT, LLC

Qualcomm Technology, Inc.
Upstream Ventures

APPLICATIONS FILED WITH USPTO

QST-102 US	CONNECTION MANAGEMENT IN AON	14-AUG-03	10641, 976
QST-061 US	System for communication between a host and a heterogeneous multiprocessor environment using efficient asynchronous FIFOs	18-Aug-03	10644, 621
QST-114 US	PROGRAMMING LANGUAGE CONSTRUCTS SUPPORTING STATIC AND DYNAMIC CONFIGURATION OF AN ADAPTIVE COMPUTING DEVICE	21-Aug-03	10645, 269
QST-408 CY US	FSN - Programmable Scalar Node (RISC)	29-Sep-03	10673, 878
QST-441 CY US	FSN - Reconfigurable Bit Manipulation Node (Arithmetic Patent for 62 Node, Arithmetic Node)	10-Oct-03	10683, 563
QST-409 CY US	MAC NODE: Plus New Aspect of MAC being incorporated	20-Nov-03	10719, 921
QST-400 CY US	Input/Output Controller Node in an ACE	23-Nov-03	10719, 409
QST-117 PR US	Adaptive Computing Streamline Design Method, System and Software	22-Jan-04	60538, 278
QST-408-1P US	FSN - Programmable Scalar Node (RISC)	26-Jan-04	10765, 558
QST-115 US	FSN - Programmable Scalar Node (RISC)	18-Feb-04	10764, 434
QST-119 PR US	NEW NODE - DYN - Motion Estimation Node	10-May-04	TBD

7 of 7

PATENT

RECORDED: 11/20/2019

REEL: 051069 FRAME: 0050