

12/11

OMB No. 0651-0011

09-18-2002

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeTo the Honorable Commissioner of Pat  
thereof.

102224967

attached original documents or copy

## 1. Name of conveying party(ies)

Pyxsys Corporation  
a Delaware CorporationAdditional name(s) of conveying party(ies)  
attached? [ ] Yes [X] No

9/16/02

## 2. Name and address of receiving party(ies)

Name: Assabet Ventures  
a Massachusetts Partnership  
Internal Address:

Street Address: 6 Clock Tower Place, Suite 340

City: Maynard State: MA Zip: 01754

Country: U.S.

Additional name(s) & address(es) attached? [ ] Yes  
[X] No

## 3. Nature of conveyance:

☒ Assignment [ ] Merger☐ Security Agreement [ ] Change of  
Name☐ OtherExecution Date: 8/20/02; 7/5/02  
respectively

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the  
application is: \_\_\_\_\_

A. Patent Application No. (s)

60/161,587; 09/696,731

09/696,727; 09/696,439

09/696,078; 09/696,732

09/971,203; 60/237,975

60/265,390; 60/269,377

B. Patent No. (s)

6,356,993

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom  
correspondence concerning document should  
be mailed:Weingarten, Schurgin,  
Gagnebin & Lebovici LLP  
Ten Post Office Square  
Boston, Massachusetts 02109

## 6. Total number of applications and patents

Involved [11]

## 7. Total fee (37 CFR 3.41)....\$440.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

(Attach duplicate copy of this page if paying by  
deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any  
attached copy is a true copy of the original document.Attorney Name: Victor B. Lebovici  
Registration No. 30,864

Signature: \_\_\_\_\_

Date: 9-9-02

Total number of pages including cover sheet, attachments, and document: [6]

Mail documents to be recorded with required cover sheet information to:

278666

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

PATENT  
REEL: 13280 FRAME: 0584

A S S I G N M E N T

WHEREAS, Pyxsys Corporation, a Delaware corporation, having a principal place of business at 142 Q North Road, Sudbury, Massachusetts 01776 (hereinafter Assignor), is the sole and exclusive owner of the entire right, title and interest in and to certain United States and foreign patents and patent applications as identified in Schedule A Parts A and B attached hereto (collectively "Schedule A") and in and to the inventions disclosed therein; and


WHEREAS, Assabet Ventures, a Massachusetts Partnership, having a place of business at 6 Clock Tower Place, Suite 340, Maynard, Massachusetts 01754 (hereinafter Assignee) is desirous of acquiring the right, title and interest in and to said United States and foreign patents and patent applications identified in Schedule A hereto and in and to the inventions disclosed therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby assign unto Assignee, its successors and assigns, all right, title and interest throughout the United States, its territories and all foreign countries; in and to the United States and foreign patents and patent applications identified in Schedule A hereto and in and to the inventions disclosed therein, including the right to claim priority thereto under the International Convention; and in and to such patents as may issue on such applications, and all divisions, reissues, continuations, certificates of reexamination and extensions thereof; together with all rights of action and recovery for past infringement thereof; for the full term or terms for which any and all such patents may be granted; as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment not been made.

AND, Assignor does hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all patents of the United States granted on such United States patent applications to Assignee, its successors and assigns.

IN WITNESS WHEREOF, Assignor has caused this Assignment to be executed by its duly authorized representative this 20 day of August, 2002.

PYXSYS CORPORATION

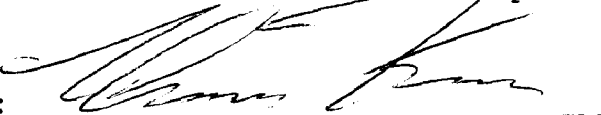
By:   
David M. Nickless  
Chapter 7 Trustee  
in Bankruptcy

Date: 8/20/02

IN WITNESS WHEREOF, Assignee has caused this Assignment to be executed by its duly authorized representative this 5<sup>th</sup> day of June, 2002.

ASSABET VENTURES

A Massachusetts Partnership

By:   
Thomas Kraus  
Partner

Date: 5 June - 2002

274811

Schedule A  
Part A

DOCKET NO	TITLE DESIGNATED PCT COUNTRIES	INVENTORS	SERIAL NO FILING DATE PATENT NO ISSUE DATE EXPIRATION DATE STATUS	
ADLPX-138Xq800 Provisional	FINITE DIFFERENCE ACCELERATOR	J Jackson M Kleeman G Melham S Mohindra	60/161,587 10/26/1999	ABANDONED
REF:				
ADLPX-139XX United States	BIT-SERIAL MEMORY ACCESS WITH WIDE PROCESSING ELEMENTS FOR SIMD ARRAYS	J Jackson	09/696,731 10/25/2000	PENDING Basedon138Xq800
REF:				
ADLPX-139Xq999 PCT	BIT-SERIAL MEMORY ACCESS WITH WIDE PROCESSING ELEMENTS FOR SIMD ARRAYS	J Jackson	PCT/US00/41530 10/25/2000	PENDING Pub 05/17/2001
REF: Based on 138Xq800	All countries except US			
ADLPX-140XX United States	SIMD ARRAY PROCESSOR IN WHICH EACH PROCESSOR ARRAY IN AN N-DIMENSIONAL ARRAY IS CONNECTABLE TO 2N DIMENSIONALLY ADJACENT PROCESSOR ARRAYS BY (N+1) DATA PATHS	J Jackson	09/696,727 10/25/2000	PENDING Basedon138Xq800
REF:				
ADLPX-140Xq999 PCT	MULTIPLEXING N-DIMENSIONAL MESH CONNECTIONS ONTO (N+1) DATA PATHS	J Jackson	PCT/US00/41531 10/25/2000	ABANDONED Pub 05/03/2001
REF: Based on 138Xq800	All countries except US			
ADLPX-141XX United States	DUAL ASPECT RATIO PE ARRAY WITH NO CONNECTION SWITCHING	J Jackson	09/695,895 10/25/2000 US 6,356,993 B1 3/12/2002 10/25/2020	ISSUED Basedon138Xq800
REF:				
ADLPX-141Xq999 PCT	DUAL ASPECT RATIO PE ARRAY WITH NO CONNECTION SWITCHING	J Jackson	PCT/US00/41526 10/25/2000	PENDING Pub 05/03/2001
REF: Based on 138Xq800	All countries except US			

DOCKET NO	TITLE DESIGNATED PCT COUNTRIES	INVENTORS	SERIAL NO FILING DATE PATENT NO ISSUE DATE EXPIRATION DATE STATUS
ADLPX-142XX United States	WIDE CONNECTIONS FOR TRANSFERRING DATA BETWEEN PE'S OF AN N-DIMENSIONAL MESH-CONNECTED SIMD ARRAY WHILE TRANSFERRING OPERANDS FROM MEMORY	J Jackson T Kraus	09/696,439 10/25/2000 PENDING Based on 138Xq800

REF:

ADLPX-142Xq999 PCT	WIDE CONNECTIONS FOR TRANSFERRING DATA BETWEEN PE'S OF AN N-DIMENSIONAL MESH-CONNECTED SIMD ARRAY WHILE TRANSFERRING OPERANDS FROM MEMORY	J Jackson	PCT/US00/41571 10/25/2000 PENDING Pub 05/03/2001
-----------------------	---	-----------	---

REF: Based on 138Xq800

All countries except US

ADLPX-144XX United States	MIMD ARRANGEMENT OF SIMD MACHINES	J Jackson M Kleeman G Melhem S Mohindra	09/696,078 10/25/2000 PENDING Based on 138Xq800
------------------------------	-----------------------------------	--	--

REF:

ADLPX-144Xq999 PCT	MIMD ARRANGEMENT OF SIMD MACHINES	J Jackson	PCT/US00/41527 10/25/2000 PENDING Pub 06/28/2001
-----------------------	-----------------------------------	-----------	---

REF: Based on 138Xq800

All countries except US

ADLPX-145XX United States	RAPID CONFIGURATION VERIFICATION IN A MULTI- COMPONENT SYSTEM	T Kraus	09/696,732 10/25/2000 PENDING
------------------------------	--	---------	-------------------------------------

REF:

ADLPX-145Xq999 PCT	RAPID CONFIGURATION VERIFICATION IN A MULTI- COMPONENT SYSTEM	T Kraus	PCT/US01/32350 10/17/2001 PENDING
-----------------------	--	---------	---

REF:

All countries except US

**Schedule A  
Part B**

<b>Attorney Docket</b>	<b>US Applic No.</b>	<b>Filing Date</b>	<b>Title</b>
PYO-00101	09/971,203	10/4/2001	SIMD System and Method
PYO-00160	60/237,975	10/4/2000	SIMD Architecture for Accelerated Data Storage, Retrieval and Processing
PYO-00260	60/265,390	1/30/2001	Scalable and Flexible Storage Interface Architecture for SIMD Array Processors
PYO-00360	60/269,377	2/16/2001	Reduction Circuit

<b>Attorney Docket</b>	<b>Foreign Applic No.</b>	<b>Country</b>	<b>Filed</b>	<b>Title</b>
PYO-00125	US01/31130	WO	10/4/2001	SIMD System and Method