PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPI	E:	NEW ASSIGNMENT		
NATURE OF CONV	/EYANCE:	ASSIGNMENT		
CONVEYING PART	ΓΥ DATA			
		Name	Execution Date	
Joel S. Emer			11/08/1999	
Rebecca L. Stamm	1		11/17/1999	
Bruce E. Edwards			11/08/1999	
Matthew H. Reilly			11/08/1999	
Craig B. Zilles			12/03/1999	
Tryggve Fossum			11/08/1999	
Christopher F. Joei	rg		11/23/1999	
James E. Hicks Jr.				
			11/12/1999	
		t Corporation		
RECEIVING PART	Y DATA	•		
RECEIVING PART Name: Street Address:	Y DATA	•		
RECEIVING PART Name: Street Address: Internal Address:	Y DATA Digital Equipmen 20555 State High	•		
RECEIVING PART Name: Street Address: Internal Address: City:	Y DATA Digital Equipmen 20555 State High MS 110701	•		
RECEIVING PART Name: Street Address: Internal Address: City:	Y DATA Digital Equipmen 20555 State High MS 110701 Houston	•		
RECEIVING PART Name: Street Address: Internal Address: City: State/Country:	Y DATA Digital Equipmen 20555 State High MS 110701 Houston TEXAS 77070	•		
RECEIVING PART Name: Street Address: Internal Address: City: State/Country: Postal Code:	Y DATA Digital Equipmen 20555 State High MS 110701 Houston TEXAS 77070	•		

Fax Number:(970)778-4063Phone:(970)898-4728Email:jerry.shorma@hp.comCorrespondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.Correspondent Name:Hewlett-Packard CompanyAddress Line 1:3404 E. Harmony RoadAddress Line 2:Intellectual Property Administration

501965481

PATENT REEL: 028426 FRAME: 0957

Address Line 4: Fort Collins, COLORADO 80527				
NAME OF SUBMITTER:	Andrew Graff			
Total Attachments: 16 source=6675192 Assignment#page1.tif source=6675192 Assignment#page2.tif source=6675192 Assignment#page3.tif source=6675192 Assignment#page4.tif source=6675192 Assignment#page5.tif source=6675192 Assignment#page6.tif source=6675192 Assignment#page7.tif source=6675192 Assignment#page8.tif source=6675192 Assignment#page9.tif source=6675192 Assignment#page10.tif source=6675192 Assignment#page10.tif source=6675192 Assignment#page11.tif source=6675192 Assignment#page12.tif source=6675192 Assignment#page13.tif				
source=6675192 Assignment#page16.tif source=6675192 Assignment#page15.tif source=6675192 Assignment#page16.tif				

ASSIGNMENT

WHEREAS, We, Joel S. Emer, Rebecca L. Stamm, Bruce E. Edwards, Matthew H. Reilly, Craig B. Zilles, Tryggve Fossum, Christopher F. Joerg and James E. Hicks, Jr., are joint inventors of "Method and Apparatus to Quiesce a Portion of a Simultaneous Multithreaded Central Processing Unit", application for United States Letters Patent Serial No. 09/411,194, filed October 1, 1999; and

WHEREAS, DIGITAL EQUIPMENT CORPORATION, a corporation created and existing under and by virtue of the laws of the Commonwealth of Massachusetts, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over to DIGITAL EQUIPMENT CORPORATION, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by DIGITAL EQUIPMENT CORPORATION for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to DIGITAL EQUIPMENT CORPORATION, as assignee of our entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

And we further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to DIGITAL EQUIPMENT CORPORATION, its successors, assigns, or other legal representatives and that if DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And we do further covenant and agree that we will, at any time upon request, communicate to DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

PATENT REEL: 010#181ERAME: 0239 REEL: 028426 FRAME: 0959

EXECUTED THIS day of, 19
Joel S. Emer STATE/COMMONWEALTH OF§ COUNTY OF§
BEFORE ME, the undersigned authority, on this day personally appeared <i>Joel S. Emer</i> , known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.
GIVEN UNDER MY HAND and seal of office this day of, 19
Notary Public
EXECUTED THIS day of, 19
Rebecca L. Stamm STATE/COMMONWEALTH OF§ COUNTY OF§
BEFORE ME, the undersigned authority, on this day personally appeared <i>Rebecca L. Stamm</i> , known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.
GIVEN UNDER MY HAND and seal of office this day of, 19

Notary Public

PATENT REEL: 010#181ERAME: 0240 REEL: 028426 FRAME: 0960

EXECUTED THIS day of	, 19
	Bruce E. Edwards
STATE/COMMONWEALTH OF COUNTY OF	§
BEFORE ME, the undersigned authority, on t known to me to be the person whose name is subscribt acknowledged to me that he executed the same for the	
GIVEN UNDER MY HAND and seal of office 19	ce this day of,
ī	Notary Public
*******	*****
EXECUTED THIS day of	, 19
STATE/COMMONWEALTH OF COUNTY OF	Matthew H. Reilly § §
BEFORE ME, the undersigned authority, on t known to me to be the person whose name is subscrib acknowledged to me that he executed the same for the	his day personally appeared <i>Matthew H. Reilly</i> , bed to the foregoing instrument, and e purposes and consideration therein expressed.
GIVEN UNDER MY HAND and seal of offic 19	e this day of,
N	lotary Public

-3-

PATENT REEL: 010#48TERAME: 0241 REEL: 028426 FRAME: 0961

-4-
EXECUTED THIS <u>34</u> day of <u>December</u> , 19 <u>19</u> . MOTOS. Craig B. Zilles
STATE/COMMONWEALTH OF WISCONS N §
BEFORE ME, the undersigned authority, on this day personally appeared <i>Craig B. Zilles</i> , known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed. GIVEN UNDER MY HAND and seal of office this <u>3</u> day of <u>December</u> , 1999.
Helene Demont Notary Public My commission epipier 3/3/02

EXECUTED THIS day of, 19
Tryggve Fossum
STATE/COMMONWEALTH OF§ COUNTY OF§
BEFORE ME, the undersigned authority, on this day personally appeared <i>Tryggve Fossum</i> , known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.
GIVEN UNDER MY HAND and seal of office this day of, 19
Notary Public

PATENT REEL: 010#181ERAME: 0242 REEL: 028426 FRAME: 0962

EXECUTED THIS day of	, 19
	Christopher F. Joerg
STATE/COMMONWEALTH OF	§
	· · · · · · · · · · · · · · · · ·

BEFORE ME, the undersigned authority, on this day personally appeared Christopher F. Joerg, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

Notary Public

EXECUTED THIS _____ day of _____, 19___.

James E. Hicks, Jr. STATE/COMMONWEALTH OF _____§ COUNTY OF_____

COUNTY OF

BEFORE ME, the undersigned authority, on this day personally appeared James E. Hicks, Jr., known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19 .

Notary Public

PATENT REEL: 010448-FRAME: 0243 REEL: 028426 FRAME: 0963

ASSIGNMENT

WHEREAS, We, Joel S. Emer, Rebecca L. Stamm, Bruce E. Edwards, Matthew H. Reilly, Craig B. Zilles, Tryggve Fossum, Christopher F. Joerg and James E. Hicks, Jr., are joint inventors of "Method and Apparatus to Quiesce a Portion of a Simultaneous Multithreaded Central Processing Unit", application for United States Letters Patent Serial No. 09/411,194, filed October 1, 1999; and

WHEREAS, DIGITAL EQUIPMENT CORPORATION, a corporation created and existing under and by virtue of the laws of the Commonwealth of Massachusetts, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over to DIGITAL EQUIPMENT CORPORATION, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by DIGITAL EQUIPMENT CORPORATION for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to DIGITAL EQUIPMENT CORPORATION, as assignee of our entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

And we further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to DIGITAL EQUIPMENT CORPORATION, its successors, assigns, or other legal representatives and that if DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And we do further covenant and agree that we will, at any time upon request, communicate to DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

PATENT REEL: 010#/81ERAME: 0244 REEL: 028426 FRAME: 0964

EXECUTED TH	IIS	_day of	, 19
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	Joel S. Emer
STATE/COMMONWEALTH OF	§
COUNTY OF	§

BEFORE ME, the undersigned authority, on this day personally appeared *Joel S. Emer*, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND : 19	and seal of o	ffice this	_ day of	
		Notary Public		
*****	****	*****	****	
EXECUTED THIS	day of		, 19	
		Rebecc	a L. Stamm	
STATE/COMMONWEALTH OF COUNTY OF			_\$ _\$	

BEFORE ME, the undersigned authority, on this day personally appeared *Rebecca L. Stamm*, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

Notary Public

PATENT REEL: 0104481ER4ME: 0245 REEL: 028426 FRAME: 0965

EXECUTED THIS day of	, 19
	Bruce E. Edwards
STATE/COMMONWEALTH OF	§
COUNTY OF	ŝ

BEFORE ME, the undersigned authority, on this day personally appeared Bruce E. Edwards, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

Notary Public

EXECUTED THIS _____ day of _____, 19___.

 Matthew H. Reilly

 STATE/COMMONWEALTH OF

 ______§

 COUNTY OF

COUNTY OF_____

BEFORE ME, the undersigned authority, on this day personally appeared Matthew H. Reilly, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____. 19____.

Notary Public

PATENT REEL: 010448-FRAME: 0246 REEL: 028426 FRAME: 0966

EXECUTED THIS	day of	, 19
		Craig B. Zilles
STATE/COMMONWEALTH OF		
known to me to be the person who	ose name is s	ty, on this day personally appeared <i>Craig B. Zilles</i> , ubscribed to the foregoing instrument, and e for the purposes and consideration therein expressed.
GIVEN UNDER MY HA	ND and seal of	of office this day of,
		Notary Public
- بد و ب و و و و و و و و و و و و و و	نه ماه ماه ماه ماه ماه ماه ماه ماه ماه	****
EXECUTED THIS	day of	, 19
		Tryggve Fossum
STATE/COMMONWEALTH OI COUNTY OF	J	§
known to me to be the person who	ose name is s	ty, on this day personally appeared <i>Tryggve Fossum</i> , ubscribed to the foregoing instrument, and e for the purposes and consideration therein expressed.
GIVEN UNDER MY HA	ND and seal of	of office this day of,
		Notary Public
****	*****	*****

-4-

PATENT REEL: 010#48 [EN]ME: 0247 REEL: 028426 FRAME: 0967

EXECUTED THIS 23² day of STATE/COMMONWEALTH OF Massach Christopher F. BEFORE ME, the undersigned authority, on this day personally appeared Christopher F. Joerg, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed. GIVEN UNDER MY HAND and seal of office this <u>23</u> day of <u>Mound</u> Notary PublicREBECCA A. RODELS, Notary Public My Commission Expires June 9, 2000 ******* EXECUTED THIS _____ day of _____, 19___. James E. Hicks, Jr. STATE/COMMONWEALTH OF_____§ COUNTY OF BEFORE ME, the undersigned authority, on this day personally appeared James E. Hicks,

BEFORE ME, the undersigned authority, on this day personally appeared *James E. Hicks*, *Jr.*, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

Notary Public

PATENT REEL: 0104481ERAME: 0248 REEL: 028426 FRAME: 0968

<u>ASSIGNMENT</u>

WHEREAS, We, Joel S. Emer, Rebecca L. Stamm, Bruce E. Edwards, Matthew H. Reilly, Craig B. Zilles, Tryggve Fossum, Christopher F. Joerg and James E. Hicks, Jr., are joint inventors of "Method and Apparatus to Quiesce a Portion of a Simultaneous Multithreaded Central Processing Unit", application for United States Letters Patent Serial No. 09/411,194, filed October 1, 1999; and

WHEREAS, DIGITAL EQUIPMENT CORPORATION, a corporation created and existing under and by virtue of the laws of the Commonwealth of Massachusetts, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over to DIGITAL EQUIPMENT CORPORATION, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by DIGITAL EQUIPMENT CORPORATION for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to DIGITAL EQUIPMENT CORPORATION, as assignee of our entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

And we further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to DIGITAL EQUIPMENT CORPORATION, its successors, assigns, or other legal representatives and that if DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And we do further covenant and agree that we will, at any time upon request, communicate to DIGITAL EQUIPMENT CORPORATION, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

PATENT REEL: 010#181ERAME: 0249 REEL: 028426 FRAME: 0969

EXECUTED THIS <u>8</u> day of <u>November</u> , 19 <u>99</u> .	
All Show	
Joel S. Emer	
STATE/COMMONWEALTH OF MASS Acctusetts §	
COUNTY OF WORLDSTEN§	

BEFORE ME, the undersigned authority, on this day personally appeared *Joel S. Emer*, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 8^{73} day of <u>November</u>, $19\underline{99}$.

Shalter Bith stary Public my commission furince : JUNY 7 2006

EXECUTED THIS 17 day of	of November , 1999.		
	Rikeig Adam		
	Rebecca L. Stamm		
STATE/COMMONWEALTH OF	§		
COUNTY OF	Ş		

BEFORE ME, the undersigned authority, on this day personally appeared *Rebecca L. Stamm*, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

(see attacked)

Notary Public

PATENT REEL: 0104481ERAME: 0250 REEL: 028426 FRAME: 0970 This notary act refers to the patent assignment (docket no. DEC99-55 (PD99-2662)) signed by Rebecca L. Stamm on November 17, 1999.

State of California

County of Santa Clara

On November 17, 1999 before me, James H. Mason, Notary Public, personally appeared Rebecca L. Stamm, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

Witness my hand and official seal.

low W. M-Signature

Date: November 17, 1999

James H. Mason



PATENT REEL: 010#181ERAME: 0251 REEL: 028426 FRAME: 0971

	-3-
EXECUTED THIS day o	of November, 1999.
	Knn E Educate
	Bruce E. Edwards
STATE/COMMONWEALTH OF_MASA	KAUSU-145 §
COUNTY OF Woncester	§
	· · · · · · · · · · · · · · · · · · ·

BEFORE ME, the undersigned authority, on this day personally appeared Bruce E. Edwards, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this <u>8</u> day of <u>November</u>, 19<u>99</u>.

Water Alberth A Notary Public Manuscher OFARES (JULY 7, 2416

EXECUTED THIS Egilt day of November , 1959. STATE/COMMONWEALTH OF MARGAEUSE 24= § COUNTY OF WALLESTER §

BEFORE ME, the undersigned authority, on this day personally appeared Matthew H. Reilly, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 8th day of November, 1999.

Notary Public Mycommission ET Pices: July 7. 2006

PATENT REEL: 0104487ERAME: 0252 REEL: 028426 FRAME: 0972

EXECUTED THIS	day of	, 19	
		Craig B. Zilles	
STATE/COMMONWEALTH OF		§	
COUNTY OF		§	

-4-

BEFORE ME, the undersigned authority, on this day personally appeared Craig B. Zilles, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

Notary Public

EXECUTED THIS <u>8th</u> day of <u>November</u>, 1999. Drygy Fossum

STATE/COMMONWEALTH OF <u>MARSACON SERIES</u> COUNTY OF <u>Wonceston</u>

BEFORE ME, the undersigned authority, on this day personally appeared Tryggve Fossum, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this $\underline{8th}$ day of $\underline{3000mm}$, $19\underline{89}$.

Notary Public Martin Expines. July 7, 2006

PATENT REEL: 010448-FRAME: 0253 REEL: 028426 FRAME: 0973

EXECUTED THIS da	y of, 19
	Christopher F. Joerg
STATE/COMMONWEALTH OF	§
COUNTY OF	§

-5-

BEFORE ME, the undersigned authority, on this day personally appeared *Christopher F*. *Joerg*, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this _____ day of _____, 19____.

Notary Public

EXECUTED THIS 1° th day of November , 1999. James Ette STATE/COMMONWEALTH OF Massachusetts § COUNTY OF Norfolk

BEFORE ME, the undersigned authority, on this day personally appeared *James E. Hicks*, *Jr.*, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

U/i	AND and seal of office this $\frac{12}{12}$ day of	November,
19_19		<u> </u>

Notary Public

REBECCA A. RODELS, Notary Public My Commission Expires June 9, 2000

PATENT REEL: 0104481ERAME: 0254 REEL: 028426 FRAME: 0974

RECORDED: 12/13/1999 RECORDED: 06/22/2012