08-18-2003

	Form PTO-1595	
PE JCIO	Form PTO-1595 (Rev. 03/ 01) OMB No. 0651-0027 (exp. 5/31/2002)	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
QE SCIO	To the Honorable Commissioner of Patents and Trademarks: P	lease record the attached original documents or copy thereof
	1. Name of conveying party(ies): 8-13-63	2. Name and address of receiving party(ies)
HIS ATEM & TRAFT	John H. Oates (06/05/2002), Steven Imperiali (05/28/2002), Alden J. Fuchs (05/28/2002), Kathleen Jacques (05/28/2002), Jonathan E. Greene (05/28/2002), William Jenkins (05/30/2002),	Name: MERCURY COMPUTER SYSTEMS, INC. Internal Address: Street Address:
	Additional name(s) of conveying party(ies) X Yes No attached?	199 Riverneck Road
	3. Nature of Conveyance:	
	x Assignment Merger	
	Security Agreement Change of Name	City: Chelmsford
	Other	State: MA Zip: 01824
	Execution Date:see Box 1, conveying parties	Additional name(s) & Yes X No address(es) attached:
	4. Application number(s) or patent number(s):	
	If this document is being filed together with a new application, the ex A. Patent Application No.(s): 10/099,889	ecution date of the new application is: B. Patent No.(s):
	Additional numbers attach	ed? Yes XNo
	<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	6. Total number of applications and patents involved:1
	Name: David J. Powsner NUTTER MCCLENNEN & FISH LLP	7. Total fee (37 CFR 3.41) \$
	Internal Address: Atty. Dkt.: 102323-0104	x Enclosed
	Street Address:	Authorized to be charged to deposit account
	World Trade Center West 155 Seaport Boulevard	Authorized to be charged to credit card
		8. Deposit account number:
	City: State: Zip: Boston MA 02210-2604	141449
	L <u> </u>	(Attach duplicate copy of this page if paying by deposit account)
	DO NOT USE	
	9. Statement and signature. To the best of my knowledge and belief, the foregoing info	in the ord opposition of any other to a
	is a true copy of the original document.	ormationals true and correct and any attached copy
	David J. Powsner	× 8/11/03
	Name of Person Signing	Signature Date
08/15/2003 DBYRNE	00000084 10095889 number of pages including cover sheet, attack	nments, and documents: <u>18</u>
01 FC:8021	40.00 00 Recordation For	m Cover Sheet
	I hereby certify that this correspondence is being deposited with the lan envelope addressed to: MS Assignment Recordation Services, D	U.S. Postal Service with sufficient postage as First Class Mail, in
	Alexandria, VA 22313-1450, on the date shown below.	
	Dated: Signature:	(David J. Powsner)

PATENT REEL: 014380 FRAME: 0368 4

	Form PTO-1595 RECORDATION FORM COVER SHEET (continued)				
OEVO	Additional Conveying Party(ies) (1. Continued):				
HEM & TEMPER	Frank P. Lauginiger (05/30/2002), David Majchrzak (07/17/2002), Mirza Cifric (05/28/2002), Ian Dunn (05/28/2002), and Michael Vinskus (05/28/2002)				
SALEMI & TEMPER	Additional Assignees (2. Continu	ued):			
	Assignee Name: Internal Address: Street Address:				
	City:	State:		Zip Code:	
	Assignee Name: Internal Address: Street Address:				
	City:	State:		Zip Code:	
	Assignee Name: Internal Address: Street Address:				
	City:	State:		Zip Code:	
	Additional Applications and/or Patents (4. Continued):				
	Additional Patent Application Numbers 4A. Continued:		Additional Patent Num 4B. Continued:	bers	
	Additional	numbers attache	d? Yes	No	

Docket No.: 102323-0104

2

## ASSIGNMENT

WHEREAS, we, John H. Oates, of 59B Seaverns Bridge Road, Amherst, New Hampshire 03031, Steven R. Imperiali, of 43 Haynes Road, Townsend, Massachusetts 01469, Alden J. Fuchs, of 160 Pine Hill Road, Nashua, New Hampshire 03063, Kathleen J. Jacques, of 10 Juniper Street, Jay, Maine 04239, Jonathan E. Greene, of 83 Hollenbeck Avenue, Great Barrington, Massachusetts 01230, William J. Jenkins, of 479 Whitepond Road, Leominster, Massachusetts 01453, Frank P. Lauginiger, of 772 Russell Station Road, Francestown, New Hampshire 03043, David E. Majchrzak, of 11 Regine Street, Hudson, New Hampshire 03051, Paul E. Cantrell, of 15 Prescott Drive, Chelmsford, Massachusetts 01863, Mirza Cifric, of 180 Arborway, Jamaica Plain, Massachusetts 02130, Ian N. Dunn, of 48 North Court Street, #1, Providence, Rhode Island, 02903, and Michael J. Vinskus, of Litchfield, New Hampshire 03052, having invented certain new and useful improvements in WIRELESS COMMUNICATIONS SYSTEMS AND METHODS FOR DIRECT MEMORY ACCESS AND BUFFERING OF DIGITAL SIGNALS FOR MULTIPLE USER DETECTION, for which we have made application for United States Letters Patent, said application filed March 14, 2002 and accorded U.S. Serial No. 10/099,889; and

WHEREAS, Mercury Computer Systems, Inc., a Massachusetts corporation, having a place of business at 199 Riverneck Road, Chelmsford, Massachusetts 01824, and its successors and assigns (collectively hereinafter called "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said applications and any Letters Patent that may issue thereon;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledge, we do hereby sell assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said applications and all patents which may granted therefore, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and

> PATENT REEL: 014380 FRAME: 0370

Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representative, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I hereto set my hand and seal at (City, State) this 5 day of (Month), 20 STATE OF Massachersetts John H. Oates SS. Before me this 5 day of 1000, 20C2, personally appeared John H. Oates known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained. NOTARY PUBLIC My Commission Expires: July 29, 2005 [Notary's Seal Here] IN WITNESS WHEREOF, I hereto set my hand and seal at CHECNSPORDMAthisJ & day ofMAy, 20 OJ.(City, State)(Day)(Month)(year) Steven R. Imperiali STATE OF Massachusetts COUNTY OF Middlesey SS. Before me this 30th day of mae, 2002, personally appeared Steven R. Imperiali known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained." NOTARY PUBLIC [Notary's Seal Here Pia My Commission Expires:

BLUER BOOK HURDROOP II I IIIIIIIIIIIIIIIIIIIIIIIIIIIIII	
IN WITNESS WHEREOF, I hereto set my hand and s	eal at
(HUMIFRAN, MA this 2.7 day of	MAY ,2002.
<u>CHUMSFORD</u> , <u>MA</u> this <u>28</u> day of (City, State) (Day)	(Month) (year)
(0.15), 2.1112)	
	Ald Ama
	Alder Jonn Alden J. Fuchs
THE MAANAL IT	Aruch J. Fuchs
STATE OF Massachusetts	
COUNTY OF Meddlesey	SS.
COUNTY OF ///lddlesly	
	4
Before me this $2/4$ day of <u><i>MiQU</i></u>	_, 2002, personally appeared Alden J.
Fuchs known to me to be the person whose name	e is subscribed to the foregoing Assignment
and acknowledged that he executed the same as h	is free act and deed for the purposes therein
contained.	
≥ OEC 2 ≥ 2005	Joant Minhe
~ 2005	NOTARY PUBLIC
A TRANSFERRENCE STRATES	NOTARTTOBLIC
Notanu'a Soal Harbit	My Commission Expires:
[Notary's Seal Here] ARY PUS	My Commission Expires:
IN WITNESS WHEDEOF I hereto set my hand and a	real at
IN WITNESS WHEREOF, I hereto set my hand and s	eal at
IN WITNESS WHEREOF, I hereto set my hand and s <u>CHEU4SFOED</u> , MA this <u>SE</u> day of (City, State) (Day)	
	$\frac{1)A}{(Month)}, 20 \underline{C} $ $(year)$
<u>CHEUMSFCED, MA</u> this <u>SE</u> day of (City, State) (Day)	
<u>CHEUMSFCED, MA</u> this <u>SE</u> day of (City, State) (Day)	$\frac{1)A}{(Month)}, 20 \underline{C} $ $(year)$
<u>CHEUMSFCED, MA</u> this <u>SE</u> day of (City, State) (Day)	$\frac{1)A}{(Month)}, 20 \underline{C} $ $(year)$
<u>CHEU4SFCCD</u> , MA this <u>SE</u> day of (City, State) (Day)	$\begin{array}{c} \underline{1} \underline{1} \underline{1} \underline{1} \underline{1} \underline{1} \underline{1} 1$
	$\begin{array}{c} \underline{1} \underline{1} \underline{1} \underline{1} \underline{1} \underline{1} \underline{1} 1$
<u>CHELINSFCED, MA</u> this <u>SE</u> day of (City, State) (Day) STATE OF <u>Massachusetts</u> COUNTY OF <u>Middlesey</u>	$\frac{1}{M} \frac{1}{M} \frac{1}$
<u>CHELINSFCED, MA</u> this <u>SE</u> day of (City, State) (Day) STATE OF <u>Massachusetts</u> COUNTY OF <u>Middlesey</u>	$\frac{1}{M} \frac{1}{M} \frac{1}$
<u>CHELINSFOED, MA</u> this <u>SE</u> day of (City, State) (Day) STATE OF <u>Massachusetts</u> COUNTY OF <u>Middlesey</u> Before me this <u>26th</u> day of <u>Micu</u> Jacques known to me to be the person whose nar	MAY, 20 C2. (Month) (year) Kathleen J. Jacques SS. , 2002 personally appeared Kathleen J. ne is subscribed to the foregoing
<u>CHELINSFOED, MA</u> this <u>SE</u> day of (City, State) (Day) STATE OF <u>Massachusetts</u> COUNTY OF <u>Middlesey</u> Before me this <u>26th</u> day of <u>Micu</u> Jacques known to me to be the person whose nar	MAY, 20 C2. (Month) (year) Kathleen J. Jacques SS. , 2002 personally appeared Kathleen J. ne is subscribed to the foregoing
<u>CHELINSFCED, MA</u> this <u>SE</u> day of (City, State) (Day) STATE OF <u>Massachusetts</u> COUNTY OF <u>Middlesey</u>	MAY, 20 C2. (Month) (year) Kathleen J. Jacques SS. , 2002 personally appeared Kathleen J. ne is subscribed to the foregoing
<u>CHEUMSFCED</u> MA this <u>SE</u> day of (City, State) (Day) STATE OF <u>Massachusetts</u> COUNTY OF <u>MUddlesey</u> Before me this <u>2FT</u> day of <u>MCU</u> Jacques known to me to be the person whose nar Assignment and bet groy ledged that he executed to purposes there is contained.	MAY, 20 C2. (Month) (year) Kathleen J. Jacques SS. , 2002 personally appeared Kathleen J. ne is subscribed to the foregoing
<u>CHEUMSFCED</u> MA this <u>SE</u> day of (City, State) (Day) STATE OF <u>Massachusetts</u> COUNTY OF <u>MUddlesey</u> Before me this <u>26th</u> day of <u>Micuf</u> Jacques known to me to be the person whose nan Assignment and bet provided that he executed to purposes there is contained.	MAY, 20 C2. (Month) (year) Kathleen J. Jacques SS. , 2002 personally appeared Kathleen J. ne is subscribed to the foregoing
$\frac{CHEU4SFCED, MA}{(City, State)} this SE day of (Day) day of (Day)$	MAY, 20 C2. (Month) (year) Kathleen J. Jacques SS. , 2002 personally appeared Kathleen J. ne is subscribed to the foregoing
<u>CHEUMSFCED</u> MA this <u>SE</u> day of (City, State) (Day) STATE OF <u>Massachusetts</u> COUNTY OF <u>MUddlesey</u> Before me this <u>2FT</u> day of <u>MCU</u> Jacques known to me to be the person whose nar Assignment and bet groy ledged that he executed to purposes there is contained.	<u>Month</u> , 20 <u>C</u> . (Month) (year) <b>Kathleen J. Jacques</b> SS. , 2002, personally appeared Kathleen J. ne is subscribed to the foregoing the same as his free act and deed for the <b>Action</b>
$\frac{CHEU4SFCED, MA}{(City, State)} this \underline{SE} day of (City, State) (Day)} day of (Day)$ STATE OF Massachusetts COUNTY OF Muddlesey Before me this <u>2614</u> day of <u>MUddlesey</u>	<u>Month</u> , 20 <u>C</u> . (Month) (year) <b>Kathleen J. Jacques</b> SS. , 2002, personally appeared Kathleen J. ne is subscribed to the foregoing the same as his free act and deed for the <b>Action</b>

PATENT REEL: 014380 FRAME: 0373

IN WITNESS WHEREOF, I hereto set my hand and seal at <u>Chelmsford</u>, <u>MA</u> this <u>28'th</u> day of <u>May</u> (City, State) (Day) (Month) (year) Jonathan E. Greene STATE OF Masachusetts SS. COUNTY OF Meddleser Before me this 28th day of <u>micey</u>, 2002, personally appeared Jonathan E. Greene known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained. NOTARY PUBLIC [Notary's Seal Herel My Commission Expires: IN WITNESS WHEREOF, I hereto set my hand and seal at <u>e Instort MA</u> this <u>30</u> day of <u>M6</u>, 20<u>02</u>. (City. State) (Day) (Wonth) (year) <u>Milliam J. Jenkins</u> STATE OF MOSSAchusp-14 5 SS. COUNTY OF M. O. C. COSEX Before me this 30 day of 100, 200, personally appeared William J. Jenkins known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained. NOTARY PUBLIC My Commission Expires July 29, 2005 [Notary's Seal Here]

	seal at
this 30 day of (City, State) this 30 day of (Day) STATE OF Massachusetts COUNTY OF M. Ochosex	Month, 20 U21. (Month) (vear) (CCC- Frank P. Lauginiger SS.
Before me this $3D$ day of $M_{6-1}$ Lauginiger known to me to be the person whose Assignment and acknowledged that he executed purposes therein contained.	the same as his free act and deed for the
[Notary's Seal Here]	My Commission Expires: July 20 20
IN WITNESS WHEREOF, I hereto set my hand and	seal at
(City, State) this (Day) day of	, 20
(City, State) (Day)	(Month) (year)
	David E. Majchrzak
STATE OF	·
STATE OF	SS.

purposes therein contained.

NOTARY PUBLIC

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[Notary's Seal Here]

My Commission Expires:

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PATENT REEL: 014380 FRAME: 0375

IN WITNESS WHEREOF, I her	eto set my har	and and seal at	
thi	is	day of, 20	1
(City, State)	(Day)	_ day of, 20 (Month) (year)	
		Paul E. Cantrell	
STATE OF	<u> </u>		
COUNTY OF		SS.	
Cantrell known to me to be	the person wl ged that he ex	, 20, personally appeared Paul E. whose name is subscribed to the foregoing executed the same as his free act and deed for the	
		NOTARY PUBLIC	•••
[Notary's Seal Here]		My Commission Expires:	

IN WITNESS WHEREOF, I hereto set my hand and seal at					
Cholmsford UA this 28 day of UM (City, State) (Day) day of (N	$\frac{4}{100000000000000000000000000000000000$				
	$\sim$				
Mirror	a Cifric				
STATE OF Massachusetts	SS.				
COUNTY OF Middlesey	55.				
Before me this, 28th day of Mary, 20, 20	_, personally appeared Mirza				
Cifric known to me to be the person whose name is subso					
and acknowledged that he executed the same as his free a	ict and deed for the purposes therein				
contained.	han Raindo				
A Contraction of the second se	NOTARY PUBLIC				
[Notary's Seal Herek Wy C	commission Expires:				

IN WITNESS WHEREOF, I hereto set my hand and s	eal at
<u>(Lelins Ford MA</u> this <u>28</u> day of <u>(City, State)</u>	$1^{\circ}(M)$ , $20 OL$ .
(City, State) (Day)	(Month) (year)
	Ian N. Dunn
STATE OF Massachusetts	
COUNTY OF Middlesex	SS.
Before me this 28th day of mal	, $200\mathcal{A}$ , personally appeared Ian N.
Before me this 284 day of <u>may</u> Dunn known to me to be the person whose name	is subscribed to the foregoing Assignment
and acknowledged that he executed the same as l	nis free act and deet for the purposes therein
contained.	Com 22
	DEC 2 Frankl
	CALLER G
[Notary's Seal Here]	My Commission Expires:
IN WITNESS WHEREOF, I hereto set my hand and s	seal at
IN WITNESS WHEREOF, I hereto set my hand and s <u>CHEIMSFORD MA</u> this <u>28</u> day of (City, State) (Day)	
	(Month), 20 <u>0</u> 2. (Month) (year)
<u>CHEINSFORD MA</u> this <u>28</u> day of (City, State) (Day)	
<u>CHELMSFUND MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MRSSACHUSETTS</u>	(Month), 2022. (Month) (year) Michael J. Vinskus
<u>CHELMSFUND MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MRSSACHUSETTS</u>	(Month), 20 <u>0</u> 2. (Month) (year)
<u>CHEINSFUND MA</u> this <u>28</u> day of (City, State) (Day)	(Month), 2022. (Month) (year) Michael J. Vinskus
<u>CHELMSFUND MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MRSSACAUSETTS</u> COUNTY OF <u>MODIESEX</u>	Month), 2022. (Month) (year) Michael J. Vinskus SS.
<u>CHELMSFUND MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MRSSACHUSETTS</u>	Moy , 2022. (Month) (year) Michael J. Vinskus SS. _, 2002, personally appeared Michael J.
<u>CHEIMSFORD MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MRSSACHUSETTS</u> COUNTY OF <u>MODIESEX</u> Before me this <u>Man</u> day of <u>24</u> Vinskus known to me to be the person whose na Assignment and acknowledged that he executed to	Month), 2022. (Month) (year) Michael J. Vinskus SS. _, 2002, personally appeared Michael J. me is subscribed to the foregoing
<u>CHEIMSFORD MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MRSSACHUSETTS</u> COUNTY OF <u>MODIESEX</u> Before me this <u>Marg</u> day of <u>24th</u> Vinskus known to me to be the person whose na	Month), 2022. (Month) (year) Michael J. Vinskus SS. _, 2002, personally appeared Michael J. me is subscribed to the foregoing
<u>CHEIMSFORD MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MRSSACHUSETTS</u> COUNTY OF <u>MODIESEX</u> Before me this <u>Man</u> day of <u>24</u> Vinskus known to me to be the person whose na Assignment and acknowledged that he executed to	Month), 2022. (Month) (year) Michael J. Vinskus SS. _, 2002, personally appeared Michael J. me is subscribed to the foregoing
<u>CHELMSFUND MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MASSACHUSETTS</u> COUNTY OF <u>MODIESEX</u> Before me this <u>Mark</u> day of <u>24t</u> Vinskus known to me to be the person whose na Assignment and acknowledged that he executed to purposes therein contained.	Move and a set of the same as his free act and deed for the same as hi
<u>CHEINSFORD MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MASSACHUSETTS</u> COUNTY OF <u>MODIESEX</u> Before me this <u>May</u> day of <u>24th</u> Vinskus known to me to be the person whose na Assignment and acknowledged that he executed to purposes therein contained.	Month), 2022. (Month) (year) Michael J. Vinskus SS. _, 2002, personally appeared Michael J. me is subscribed to the foregoing
<u>CHELMSFUND MA</u> this <u>28</u> day of (City, State) (Day) STATE OF <u>MASSACHUSETTS</u> COUNTY OF <u>MODIESEX</u> Before me this <u>Mark</u> day of <u>24t</u> Vinskus known to me to be the person whose na Assignment and acknowledged that he executed to purposes therein contained.	Move and a set of the same as his free act and deed for the same as hi

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## ASSIGNMENT

WHEREAS, we, John H. Oates, of 59B Seaverns Bridge Road, Amherst, New Hampshire 03031, Steven R. Imperiali, of 43 Haynes Road, Townsend, Massachusetts 01469, Alden J. Fuchs, of 160 Pine Hill Road, Nashua, New Hampshire 03063, Kathleen J. Jacques, of 10 Juniper Street, Jay, Maine 04239, Jonathan E. Greene, of 83 Hollenbeck Avenue, Great Barrington, Massachusetts 01230, William J. Jenkins, of 479 Whitepond Road, Leominster, Massachusetts 01453, Frank P. Lauginiger, of 772 Russell Station Road, Francestown, New Hampshire 03043, David E. Majchrzak, of 33 Jessica Drive, Merrimack, New Hampshire 03054, Paul E. Cantrell, of 15 Prescott Drive, Chelmsford, Massachusetts 01863, Mirza Cifric, of 180 Arborway, Jamaica Plain, Massachusetts 02130, Ian N. Dunn, of 48 North Court Street, #1, Providence, Rhode Island, 02903, and Michael J. Vinskus, of Litchfield, New Hampshire 03052, having invented certain new and useful improvements in WIRELESS COMMUNICATIONS SYSTEMS AND METHODS FOR DIRECT MEMORY ACCESS AND BUFFERING OF DIGITAL SIGNALS FOR MULTIPLE USER DETECTION, for which we have made application for United States Letters Patent, said application filed March 14, 2002 and accorded U.S. Serial No. 10/099,889; and

WHEREAS, Mercury Computer Systems, Inc., a Massachusetts corporation, having a place of business at 199 Riverneck Road, Chelmsford, Massachusetts 01824, and its successors and assigns (collectively hereinafter called "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said applications and any Letters Patent that may issue thereon;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledge, we do hereby sell assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said applications and all patents which may granted therefore, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representative, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I hereto	set my hand and	seal at	
this	day of		, 20 .
(City, State) this	(Day)	(Month)	(year)
		John H. Oates	
STATE OF	nanannan ann a mre a mhailt aithe 147 a.		
COUNTY OF		SS.	
Before me this day of Oates known to me to be the period and acknowledged that he exect contained.			
			OTARY PUBLIC
[Notary's Seal Here]		My Commission	n Expires:
IN WITNESS WHEREOF, I hereto	set my hand and	seal at	
this	day of		20
thisthis	(Day)	(Month)	(year)
		Steven R. Impe	eriali
STATE OF		-	
COUNTY OF		SS.	
Before me this day of Imperiali known to me to be th Assignment and acknowledged purposes therein contained.	of e person whose n		
		N	OTARY PUBLIC
[Notary's Seal Here]		My Commissior	n Expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at				
	this	day of		, 20
(City, State)	(Day)		(Month)	(year)
			Alden J. Fuch	S
STATE OF				
COUNTY OF			SS.	
Before me this Fuchs known to me to be	_ day of e the person who	ose name is	s subscribed to	nally appeared Alden J. the foregoing Assignment ed for the purposes therein
				NOTARY PUBLIC
[Notary's Seal Here]			My Commissio	on Expires:

t	his day c	of,	20	
(City, State)	(Day)	of, (Month)	(year)	
TATE OF		Kathleen J. Jacq	ues	
		SS.		
COUNTY OF				
Before me this day of, 20, personally appeared Kathleen J. Jacques known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.				
	1.			
	1.	NO	TARY PUBLIC	

IN WITNESS WHEREOF, I	hereto set my ha	and and se	eal at	
(City, State)	this(Day)	_day of _	(Month)	, 20 (year)
STATE OF			Jonathan E.	Greene
COUNTY OF			SS.	
Greene known to me to	be the person w	hose nam	e is subscribed	onally appeared Jonathan E. to the foregoing Assignment leed for the purposes therein
				NOTARY PUBLIC
[Notary's Seal Here]			My Commiss	sion Expires:

IN WITNESS WHEREOF, I hereto	set my hand and s	eal at	
(City, State) this	day of (Day)	(Month)	_, 20 (year)
STATE OF		William J. Jenk	ins
STATE OF		SS.	
COUNTY OF			
Before me this day o Jenkins known to me to be the Assignment and acknowledged purposes therein contained.	person whose nan	ne is subscribed to t	the foregoing
		N	OTARY PUBLIC
[Notary's Seal Here]		My Commission	Expires:

IN WITNESS WHEREOF, I he	ereto set my hand and s	seal at
titi	his day of _	, 20 (Month) (year)
(City, State)	(Day)	(Month) (year)
		Frank P. Lauginiger
STATE OF		<u></u>
COUNTY OF		SS.
COUNTY OF	· · · · · · · · · · · · · · · · · · ·	
Before me this	dav of	_, 20, personally appeared Frank P.
Lauginiger known to me t	o be the person whose	name is subscribed to the foregoing
	-	the same as his free act and deed for the
purposes therein contained		
		NOTARY PUBLIC
[Notary's Seal Here]		NOTARY PUBLIC My Commission Expires:
[Notary's Seal Here]		
[Notary's Seal Here]		
[Notary's Seal Here] IN WITNESS WHEREOF, I he	ereto set my hand and s	My Commission Expires:
IN WITNESS WHEREOF, I he	-	My Commission Expires:
IN WITNESS WHEREOF, I he	-	My Commission Expires:
	-	My Commission Expires:
IN WITNESS WHEREOF, I he	-	My Commission Expires:
IN WITNESS WHEREOF, I he	-	My Commission Expires: Seal at $J_{\mu}$ , 20 of (year) Wonth Varn E. Majchuyt
IN WITNESS WHEREOF, I he <u>Merrimack</u> , <u>NH</u> ti (City, State)	-	My Commission Expires:
IN WITNESS WHEREOF, I he	-	My Commission Expires: Seal at $J_{\mu}$ , 20 of (Month) $J_{\mu}$ , 20 of (year) $J_{\mu}$
IN WITNESS WHEREOF, I he <u>Merrimack</u> , <u>NH</u> ti (City, State) STATE OF	his <u>17</u> day of	My Commission Expires: Seal at $J_{\mu}$ , 20 of (year) Wonth Varn E. Majchuyt
IN WITNESS WHEREOF, I he <u>Merrimack</u> , <u>NH</u> ti (City, State)	his <u>17</u> day of	My Commission Expires: Seal at $J_{\mu}$ , 20 of (Month) $J_{\mu}$ , 20 of (year) $J_{\mu}$

Before me this day of Majchrzak known to me to be the person whos Assignment and acknowledged that he executed purposes therein contained.	e name is subscribed to the foregoing
BONITA J. KOPP, Notary Public My Commission Expires January 8, 2003	BONITA & KORD NOTARY PUBLIC

[Notary's Seal Here]

My Commission Expires:

IN WITNESS WHEREOF, I her	eto set my hand and s	seal at	
(City, State)	is day of	(Month)	_, 20 (year)
		Paul E. Cantre	11
STATE OF		SS.	
COUNTY OF			
Before me this d Cantrell known to me to be Assignment and acknowled purposes therein contained.	the person whose na ged that he executed	me is subscribed to	the foregoing
		N	OTARY PUBLIC
[Notary's Seal Here]		My Commission	n Expires:

IN WITNESS WHEREOF, I	hereto set my ha	and and seal	at	
	this	day of		, 20
(City, State)	_ this(Day)		(Month)	(year)
		Ī	Airza Cifric	
STATE OF			SS.	
COUNTY OF			33.	
Before me this	day of	;2	.0, persor	hally appeared Mirza
				the foregoing Assignment end for the purposes therein
contained.				
				NOTARY PUBLIC
				NOTART FUDLIC
[Notary's Seal Here]	· · · · · · · · · · · · · · · · · · ·	<u></u>	Ay Commissio	on Expires:
		· - ·		

IN WITNESS WHEREOF, I he	reto set my har	nd and seal at		
(City, State) th	is (Day)	day of(N	Aonth)	, 20 (year)
STATE OF			J. Dunn	
STATE OF			SS.	
Before me this d Dunn known to me to be th and acknowledged that he contained.	ay of ne person whos	, 20, 20	cribed to the	foregoing Assignment
			NO	TARY PUBLIC
[Notary's Seal Here]		Му С	Commission	Expires:

	_ this day	of (Month)	, 20
(City, State)	(Day)	(Month)	(year)
		Michael J. Vinsk	us
TATE OF		SS.	
OUNTY OF			
inskus known to me to ssignment and acknow	o be the person whose vledged that he execute	, 20, personall name is subscribed to the same as his free a	he foregoing
inskus known to me to	o be the person whose vledged that he execute	name is subscribed to the same as his free a	he foregoing

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