JUL 3 0 2003	AUG 0 1 2003	
Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005) Tab settings $\Rightarrow \Rightarrow \checkmark$ To the Honorable Commissioner on the	08-12-2003	
 Name of conveying party(ies): Embrace Networks, Inc. 950 Kifer Road Sunnyvale, CA 94086 	7.30-03 2. Na Na	me and address of receiving party(ies) me: pigi International Inc ernal Address:
Additional name(s) of conveying party(ies) attach	ed? Yes 🖌 No	
	lerger Str	eet Address: 11001 Bren Road E.
07/28/2003 Execution Date:		y: <u>Minnetonka</u> State: <u>MN</u> Zip: <u>55343</u>
4. Application number(s) or patent num		
A. Patent Application No.(s) please sheet of 13 application nu		Patent No.(s)6,446,192
5. Name and address of party to whom concerning document should be maile Name:Alan Heimlich, Esq.	correspondence 6. Tota	Inumber of applications and patents involved: 14
Internal Address:		Enclosed Authorized to be charged to deposit account
Street Address: 5952 Dial Way	8. Deg	oosit account number:
City: <u>San Jose</u> State:_ <u>CA</u> _Zip:_9		
9. Signature.	DO NOT USE THIS S	SPACE
Alan Heimlich / Reg No. 48808 Name of Person Signing Total number of Mail docume	ents to be recorded with required (
Co /12/2003 JJALLAH2 00000006 6446192 FC:8021 560.00 P	mmissioner of Patents & Trademarks Washington, D.C. 202	
		PATENT REEL: 014357 FRAME: 047



ADDITIONAL SHEET FOR PTO 1595 - RECORDATION FORM COVER SHEET

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

A. Patent Application No.(s)	B. Patent No.(s)
09/497,326	No additional patent numbers
09/811,140	
09/759,728	
09/912,636	
09/881,248	
09/912,637	
09/874,867	
09/884,741	
10/222,076	
10/050,462	
10/290,023	
10/409,234	
10/342,868	

Additional sheet 1 of 1

File: PTO1595 additional sheet.doc

	ASSIGNMENT	Docket No:	PIC-101
Whereas, I/We:			
Embrace Networks, Inc.	of 950 Kifer Ro	oad, Sunnyvale, CA 9408	6
hereafter referred to as Assignor(s) have rig	ghts to certain new and us	seful improvements in:	
REMOTE MONITORING AND CONTROL			SUSING A
hereafter referred to as Invention,			
X for which an application was filed herewith or X on 04 Ju	une 1999 Apr	blication No:09/326,105	j
X for which a patent was granted on _3	Sept 2002 Pate	ent No: 6,446,192	
Now, therefore, for good and valuable cons acknowledged, the Assignor(s) hereby sells	ideration the sufficiency a s, assigns, and transfers t	and receipt of which is here o:	eby
Digi International Inc.	of 11001 Bren	Road E., Minnetonka, MI	N 55343
hereafter referred to as Assignee(s), its suc and interest in the said Invention for the Un improvements that are disclosed in the Inve- prosecution, continuation-in-part, substitute and all other patent applications that have to on any of said improvements; and in and to and extensions that have been or shall be i improvements; and in and to all rights of pr agree that said Assignee(s) may ap own name(s); and that, when requested, w successors, assigns, and legal representat Assignment, the Assignor(s) will execute al part, substitute, renewal, and reissue applic applications on any and all said improvement to the Assignor(s) relating to said improvement its successors, assigns, or representatives improvements and for vesting title to said in said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, has been made to others by the Assignor(s).	ited States and all foreign ention, and in and to all di- e, renewal, and reissue ap been or shall be filed in the ball original patents, reiss issued in the United State iority resulting from the fili pply for and receive a pate ithout charge to, but at the itrout charge to,	n countries, in and to any a visional, continuation, con oplications, reexaminations e United States and all for ued patents, reexaminatio is and all foreign countries ing of said Invention applic ent or patents for said imp e expense of, said Assigned faith the intent and purpos continued prosecution, co extensions, and all other p aths, assignments, powers igns, and representatives ing patent protection for sa- olications for patents and a d legal representatives; ar d legal representatives tha g the rights and property h nvey the same as herein e	and all tinued s, extensions, reign countries on certificates, on said cation; provements in its ee(s), its se of this ntinuation-in- atent s of attorney, and all facts known said Assignee(s), aid all patents on ad at no assignment, erein conveyed expressed is
Accepted and executed by Assignor(s) and	l/or Assignor(s) legally at	Inonzed representative(s)	<i>.</i>
Tom Muise / Embrace Networks - CFO		Dated: 28 July 200	3
5			
State of	SS:)		
On this day of personally known to me (or proved to me or is subscribed to the within instrument, and of his/her/their authorized capacity(ies), and the entity upon behalf of which the person(WITNESS my hand and official seal.	, in the year of on the basis of satisfactor acknowledged to me that d that his/her/their signate	t he/she/they executed the ure(s) on the instrument, t	e same in free act

Notary's Signature

PATENT REEL: 014357 FRAME: 0472

	ASSIGNMENT		Docket No: PIC-102
Whereas, I/We:			
Embrace Networks, Inc.	of of950 Kif	er Road, Sunnyv	ale, CA 94086
hereafter referred to as Assignor(s) have rig	hts to certain new a	nd useful improve	ements in:
DIGITAL NETWORK MEDIA ACCESS COM	NTROL TECHNIQU	E	······································
hereafter referred to as Invention,			
X for which an application was filed herewith or X on 10 No	ov 1999	_ Application No:	09/497,326
for which a patent was granted on		Patent No:	
Now, therefore, for good and valuable consi acknowledged, the Assignor(s) hereby sells			f which is hereby
Digi International Inc.	of <u>11001</u>	Bren Road E., M	innetonka, MN 55343
hereafter referred to as Assignee(s), its suc and interest in the said Invention for the Uni improvements that are disclosed in the Inve prosecution, continuation-in-part, substitute, and all other patent applications that have b on any of said improvements; and in and to and extensions that have been or shall be is improvements; and in and to all rights of pri- agree that said Assignee(s) may ap own name(s); and that, when requested, wit successors, assigns, and legal representati Assignment, the Assignor(s) will execute all part, substitute, renewal, and reissue applic applications on any and all said improvement its successors, assigns, or representatives improvements and for vesting title to said in said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, of has been made to others by the Assignor(s)	ited States and all for intion, and in and to renewal, and reissu- been or shall be filed all original patents, sound in the United S ority resulting from the ply for and receive a thout charge to, but is thout charge to, but is ves, to carry out in g divisional, continuation the (s), its successors, nents and the history in securing and main nprovements, and al successors, assigns or encumbrance affe), and that full right to	reign countries, in all divisional, con- ue applications, re- in the United Sta- reissued patents, States and all fore he filing of said In a patent or patents at the expense of good faith the inter- tion, continued pr- ons, extensions, a ful oaths, assignn , assigns, and rep thereof; and gen ntaining patent pre- tand legal repre- s, and legal repre- s, and legal repre- s, and legal repre- s, and legal repre- states and o convey the sam	n and to any and all tinuation, continued eexaminations, extensions, tes and all foreign countries reexamination certificates, eign countries on said evention application; s for said improvements in it f, said Assignee(s), its nt and purpose of this osecution, continuation-in- and all other patent nents, powers of attorney, and presentatives all facts known erally assist said Assignee(s otection for said patents and all patents on sentatives; and sentatives that no assignment and property herein conveyed the as herein expressed is
Accepted and executed by Assignor(s) and			
Tom Muise Embrace Networks - CFO		Dated:	28 July 2003
State of)		
County of	\$ SS :		
On this day of personally known to me (or proved to me or is subscribed to the within instrument, and a of his/her/their authorized capacity(ies), and the entity upon behalf of which the person(s WITNESS my hand and official seal.	acknowledged to me d that his/her/their sig	e that he/she/they gnature(s) on the	executed the same in free a
Notary's Signature	_		

Embrace to Digi - Assignment Document PIC-102 - master v2b - Heimlich Law.doc

	ASSIGNMENT	Docket No: A-69001
Whereas, I/We:		
Embrace Networks, Inc.	of 950 Kifer Road,	Sunnyvale, CA 94086
hereafter referred to as Assignor(s) have r	rights to certain new and useful	improvements in:
SYSTEM AND METHOD TO MANAGE N UNDER VARIOUS PROTOCOLS	ETWORK-ENABLED EMBEDD	DED DEVICES OPERATING
hereafter referred to as Invention,		
X for which an application was filed herewith or X on 16 M	Mar 2001 Applicat	tion No: 09/811,140
for which a patent was granted on	Patent N	lo:
Now, therefore, for good and valuable con acknowledged, the Assignor(s) hereby sel	isideration the sufficiency and r lls, assigns, and transfers to:	eceipt of which is hereby
Digi International Inc.	of <u>11001 Bren Roa</u>	ad E., Minnetonka, MN 55343
own name(s); and that, when requested, we successors, assigns, and legal representate Assignment, the Assignor(s) will execute a part, substitute, renewal, and reissue applications on any and all said improvements other papers; communicate to said Assign to the Assignor(s) relating to said improve its successors, assigns, or representative improvements and for vesting title to said said improvements, in said Assignee(s), it	nited States and all foreign cou- vention, and in and to all division te, renewal, and reissue applica- been or shall be filed in the Un- to all original patents, reissued issued in the United States and priority resulting from the filing of apply for and receive a patent of without charge to, but at the exp atives, to carry out in good faith all divisional, continuation, cont lications, reexaminations, exter- nents; execute all rightful oaths, nee(s), its successors, assigns, ements and the history thereof; s in securing and maintaining p improvements, and all applicat ts successors, assigns, and leg ts successors, assigns, and leg t, or encumbrance affecting the (s), and that full right to convey	antries, in and to any and all mal, continuation, continued ations, reexaminations, extensions, nited States and all foreign countries patents, reexamination certificates, d all foreign countries on said of said Invention application; or patents for said improvements in its pense of, said Assignee(s), its the intent and purpose of this inued prosecution, continuation-in- nsions, and all other patent assignments, powers of attorney, and and representatives all facts known and generally assist said Assignee(s), patent protection for said ions for patents and all patents on pal representatives; and pal representatives that no assignment, e rights and property herein conveyed the same as herein expressed is
Accepted and executed by Assignments an	and resigner(s) regariy addrer	
Tom Muise/ Embrace Networks - CFO		Dated: 28 July 2003
State of)	
County of	SS:	
On this day of personally known to me (or proved to me is subscribed to the within instrument, and of his/her/their authorized capacity(ies), a the entity upon behalf of which the persor WITNESS my hand and official seal.	, in the year of, to on the basis of satisfactory evi- d acknowledged to me that he/s nd that his/her/their signature(s	she/they executed the same in free act s) on the instrument, the person(s) or

1/1

Notary's Signature

	ASSIGNMENT	Docket No:	005168.P001
Whereas, I/We:			
Embrace Networks, Inc.	of 950 Kifer Ro	ad, Sunnyvale, CA 94086	· · · · · · · · · · · · · · · · · · ·
hereafter referred to as Assignor(s) have rig	ghts to certain new and us	eful improvements in:	
METHOD AND APPARATUS FOR FIREW	ALL TRAVERSAL		
hereafter referred to as Invention,			
X for which an application was filed Image: herewith or X Image: herewith or X <td>an 2001 App</td> <td>lication No: 09/759,728</td> <td></td>	an 2001 App	lication No: 09/759,728	
for which a patent was granted on	Pate	nt No:	
Now, therefore, for good and valuable cons acknowledged, the Assignor(s) hereby sells			by
Digi International Inc.	of11001 Bren	Road E., Minnetonka, MN	55343
 and interest in the said Invention for the Un improvements that are disclosed in the Inverse prosecution, continuation-in-part, substitute and all other patent applications that have to on any of said improvements; and in and to and extensions that have been or shall be is improvements; and in and to all rights of prinagree that said Assignee(s) may applications on any and that, when requested, wi successors, assigns, and legal representation Assignment, the Assignor(s) will execute all part, substitute, renewal, and reissue applications on any and all said improvements to the Assignor(s) relating to said improvements is successors, assigns, or representatives improvements and for vesting title to said in said improvements, in said Assignee(s), its grant, mortgage, license, sale, agreement, has been made to others by the Assignor(s) and Accepted and executed by Assignor(s) and Advance. 	ention, and in and to all div a, renewal, and reissue app been or shall be filed in the all original patents, reissues issued in the United States fority resulting from the filin oply for and receive a pate thout charge to, but at the ives, to carry out in good fa I divisional, continuation, of cations, reexaminations, et ents; execute all rightful oa ee(s), its successors, assign nents and the history there in securing and maintainin nprovements, and all appl successors, assigns, and successors, assigns, and or encumbrance affecting), and that full right to com /or Assignor(s)' legally aut	isional, continuation, conti- plications, reexaminations, e United States and all fore- red patents, reexamination and all foreign countries of and patents for said impre- expense of, said Assigne- aith the intent and purpose ontinued prosecution, con- densions, and all other pa- ths, assignments, powers and, and representatives and and patent protection for said ications for patents and all legal representatives; and legal representatives that the rights and property he yey the same as herein ex-	nued extensions, sign countries a certificates, on said ation; ovements in its e(s), its e of this tinuation-in- tent of attorney, and II facts known id Assignee(s), d patents on I no assignment, rein conveyed pressed is
Tom Muise/ Embrace Networks - CFO		Dutou	
State of)		
County of	SS:)		
On this day of personally known to me (or proved to me o is subscribed to the within instrument, and a of his/her/their authorized capacity(ies), and the entity upon behalf of which the person(s WITNESS my hand and official seal.	, in the year of, n the basis of satisfactory acknowledged to me that d that his/her/their signatu	ne/she/they executed the s re(s) on the instrument, the	same in free act
Notary's Signature			
	1/1	Embrace to Digi - Assignme	nt Document P001 - master v2b - Heimlich Law doc

PATENT

REEL: 014357 FRAME: 0475

	ASSIGN	MENT	Docket No:	005168.P002
Whereas, I/We:				
Embrace Networks, Inc.	of	950 Kifer Road,	Sunnyvale, CA 94086	
hereafter referred to as Assignor(s) have ri	ghts to certa	in new and useful	improvements in:	
NETWORK ARCHITECTURE			e-stawinger - ann	
hereafter referred to as Invention,				
X for which an application was filed herewith or X on 24 J	uly 2001	Applicat	tion No: 09/912,636	
for which a patent was granted on		Patent N	lo:	
Now, therefore, for good and valuable cons acknowledged, the Assignor(s) hereby sell	sideration the s, assigns, a	e sufficiency and r nd transfers to:	eceipt of which is here	by
Digi International Inc.	of	11001 Bren Roa	d E., Minnetonka, MN	55343
hereafter referred to as Assignee(s), its su and interest in the said Invention for the Ur improvements that are disclosed in the Inv prosecution, continuation-in-part, substitute and all other patent applications that have on any of said improvements; and in and to and extensions that have been or shall be improvements; and in and to all rights of pu agree that said Assignee(s) may a own name(s); and that, when requested, w successors, assigns, and legal representa Assignment, the Assignor(s) will execute a part, substitute, renewal, and reissue appli applications on any and all said improvem its successors, assigns, or representatives improvements and for vesting title to said i said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, has been made to others by the Assignor(s).	nited States a ention, and in e, renewal, a been or shall o all original p issued in the riority resultin pply for and vithout charge vithout	and all foreign cou n and to all divisio nd reissue applica I be filed in the Un patents, reissued United States an of from the filing of receive a patent of e to, but at the exp y out in good faith continuation, cont caminations, exter e all rightful oaths, ccessors, assigns, e history thereof; and maintaining p is, and all applicat s, assigns, and leg ance affecting the ull right to convey	Intries, in and to any ar nal, continuation, conti- ations, reexaminations, ited States and all fore patents, reexamination d all foreign countries of f said Invention applica- or patents for said impro- bense of, said Assigne- the intent and purpose inued prosecution, con- nsions, and all other pa- assignments, powers and representatives a and generally assist sa- patent protection for said ions for patents and al- al representatives; and al representatives that rights and property he the same as herein ex-	nd all nued extensions, eign countries or certificates, on said ation; ovements in its e(s), its e of this itinuation-in- itent of attorney, and II facts known aid Assignee(s), id I patents on d no assignment, erein conveyed spressed is
Accepted and executed by Assignor(s) and	d/or Assignoi	r(s)' legally author	ized representative(s):	
Tom Muise / Embrace Networks - CFO		wangka di Primana di Katala	Dated: 28 July 2003	
U -)			
State of)	SS:		
On this day of personally known to me (or proved to me is subscribed to the within instrument, and of his/her/their authorized capacity(ies), ar the entity upon behalf of which the person WITNESS my hand and official seal.	, in the on the basis I acknowledg nd that his/he	jed to me that he/s er/their signature(s	sne/tney executed the s) on the instrument, th	same in free act
Notary's Signature				

	ASSIGNMENT	Docket No:	005168.P004
Whereas, I/We:			
Embrace Networks, Inc.	of 950 Ki	fer Road, Sunnyvale, CA 9408	8
hereafter referred to as Assignor(s) have rig	hts to certain new a	and useful improvements in:	
COMPUTER SYSTEM AND METHOD TO I THE OCCURRENCE OF AN EVENT hereafter referred to as Invention,	DISPATCH AND RE	CEIVE A MESSAGE RESPON	SIVE TO
X for which an application was filed herewith or X on 13 Ju	ne 2001	_ Application No: _09/881,248	i i
for which a patent was granted on		Patent No:	
Now, therefore, for good and valuable cons acknowledged, the Assignor(s) hereby sells			eby
Digi International Inc.	of11001	Bren Road E., Minnetonka, MI	N 55343
hereafter referred to as Assignee(s), its suc and interest in the said Invention for the Uni improvements that are disclosed in the Inve- prosecution, continuation-in-part, substitute and all other patent applications that have b on any of said improvements; and in and to and extensions that have been or shall be is improvements; and in and to all rights of pri agree that said Assignee(s) may ap own name(s); and that, when requested, wi successors, assigns, and legal representati Assignment, the Assignor(s) will execute all part, substitute, renewal, and reissue applic applications on any and all said improveme other papers; communicate to said Assignee to the Assignor(s) relating to said improveme its successors, assigns, or representatives improvements and for vesting title to said in said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, has been made to others by the Assignor(s)	ted States and all fo intion, and in and to renewal, and reiss een or shall be filed all original patents, ssued in the United ority resulting from to oply for and receive thout charge to, but ves, to carry out in g divisional, continua ations, reexamination nts; execute all right e(s), its successors thet and the history in securing and main provements, and a successors, assign or encumbrance aff), and that full right to	preign countries, in and to any a all divisional, continuation, con- ue applications, reexaminations l in the United States and all for- reissued patents, reexamination States and all foreign countries the filing of said Invention applic a patent or patents for said imp- at the expense of, said Assigne good faith the intent and purpos tion, continued prosecution, co- ons, extensions, and all other pa- tful oaths, assignments, powers a sasigns, and representatives and thereof; and generally assist s intaining patent protection for sa s, and legal representatives; an s, and legal representatives tha ecting the rights and property h to convey the same as herein e	and all tinued s, extensions, eign countries n certificates, on said cation; rovements in its ee(s), its e of this ntinuation-in- atent of attorney, and all facts known aid Assignee(s), aid Il patents on id t no assignment, erein conveyed xpressed is
Accepted and executed by Assignor(s) and			
Tom Muise / Embrace Networks - CFO		Dated: 28 July 200	3
State of			
County of	SS:)		
On this day of personally known to me (or proved to me o is subscribed to the within instrument, and of his/her/their authorized capacity(ies), and the entity upon behalf of which the person(s WITNESS my hand and official seal.	acknowledged to mo that his/her/their si	e that he/she/they executed the ignature(s) on the instrument, th	same in free act

	ASSIGNMENT	Docket No: 005168.P005
Whereas, I/We:		
Embrace Networks, Inc.	of 950 Kifer Road,	Sunnyvale, CA 94086
hereafter referred to as Assignor(s) have r	ights to certain new and useful	improvements in:
METHOD AND SYSTEM TO PROGRAM	NPUT OUTPUT (PIO) PINS	
hereafter referred to as Invention,		
X for which an application was filed herewith or X on 24 J	uly 2001 Applicati	on No:09/912,637
for which a patent was granted on	Patent N	0:
Now, therefore, for good and valuable con acknowledged, the Assignor(s) hereby sell	sideration the sufficiency and re ls, assigns, and transfers to:	ceipt of which is hereby
Digi International Inc.	of 11001 Bren Road	d E., Minnetonka, MN 55343
own name(s); and that, when requested, w successors, assigns, and legal representa Assignment, the Assignor(s) will execute a part, substitute, renewal, and reissue appli applications on any and all said improvem other papers; communicate to said Assign to the Assignor(s) relating to said improve its successors, assigns, or representatives improvements and for vesting title to said said improvements, in said Assignee(s), it covenant with said Assignee(s), it grant, mortgage, license, sale, agreement has been made to others by the Assignor(possessed by the Assignor(s).	nited States and all foreign cour- vention, and in and to all division e, renewal, and reissue applica- been or shall be filed in the Uni- o all original patents, reissued p issued in the United States and riority resulting from the filing of apply for and receive a patent of vithout charge to, but at the exp tives, to carry out in good faith all divisional, continuation, contri- ications, reexaminations, exten- ents; execute all rightful oaths, nee(s), its successors, assigns, ments and the history thereof; a s in securing and maintaining pa- improvements, and all applicati- s successors, assigns, and lega s successors, assigns, and lega c, or encumbrance affecting the (s), and that full right to convey the	ntries, in and to any and all hal, continuation, continued tions, reexaminations, extensions, ted States and all foreign countries batents, reexamination certificates, I all foreign countries on said said Invention application; r patents for said improvements in its ense of, said Assignee(s), its the intent and purpose of this nued prosecution, continuation-in- sions, and all other patent assignments, powers of attorney, and and representatives all facts known and generally assist said Assignee(s), atent protection for said ons for patents and all patents on al representatives; and al representatives that no assignment, rights and property herein conveyed the same as herein expressed is
Accepted and executed by Assignor(s) an	d/or Assignor(s)' legally authori	zed representative(s):
Tom Muise / Embrace Networks - CFO		Dated: 28 July 2003
I om Muise / Embrace Networks - CFO)	
State of) SS:	
On this day of personally known to me (or proved to me is subscribed to the within instrument, and of his/her/their authorized capacity(ies), a the entity upon behalf of which the person WITNESS my hand and official seal.	d acknowledged to me that he/s nd that his/her/their signature(s) on the instrument, the person(s) or
Notary's Signature		

Embrace to Digi - Assignment Document P005 - master v2b - Heimlich Law.doc

	ASSIGNM	IENT	Docket No:	005168.P006
Whereas, I/We:				
Embrace Networks, Inc.	of	950 Kifer Road, Sunnyva	ale, CA 94086	
hereafter referred to as Assignor(s) have rig	hts to certai	n new and useful improve	ments in:	
METHOD AND APPARATUS FOR THE DE	TECTION O	F THE END OF A DAISY	CHAIN	
hereafter referred to as Invention,				
X for which an application was filed herewith or X on 04 Ju	ne 2001	Application No:	09/874,867	
for which a patent was granted on		Patent No:	and a start of the	
Now, therefore, for good and valuable consi acknowledged, the Assignor(s) hereby sells			which is hereb	у
Digi International Inc.	of	11001 Bren Road E., Mi	nnetonka, MN	55343
hereafter referred to as Assignee(s), its suc and interest in the said Invention for the Uni improvements that are disclosed in the Inve prosecution, continuation-in-part, substitute, and all other patent applications that have b on any of said improvements; and in and to and extensions that have been or shall be is improvements; and in and to all rights of pri- agree that said Assignee(s) may ap own name(s); and that, when requested, wil successors, assigns, and legal representation Assignment, the Assignor(s) will execute all part, substitute, renewal, and reissue applic applications on any and all said improvement to the Assignor(s) relating to said improvement its successors, assigns, or representatives improvements and for vesting title to said in said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, of has been made to others by the Assignor(s) possessed by the Assignor(s). Accepted and executed by Assignor(s) and	ited States and intion, and in , renewal, and all original p sound in the ority resulting oply for and re thout charge ves, to carry divisional, c ations, reexa nts; execute e(s), its succe ents and the in securing a nprovements successors, successors, or encumbra), and that fu	nd all foreign countries, in and to all divisional, cont of reissue applications, re- be filed in the United Stat- atents, reissued patents, United States and all fore g from the filing of said Inv- eceive a patent or patents to, but at the expense of, out in good faith the inter- ontinuation, continued pro- aminations, extensions, ar all rightful oaths, assignme- cessors, assigns, and repre- and maintaining patent pro- s, and all applications for p assigns, and legal repress ince affecting the rights ar all right to convey the same	and to any an inuation, contin examinations, es and all forei reexamination ign countries o vention applica for said impro- said Assignee t and purpose osecution, cont all other pat intents, powers of resentatives all entatives and all entatives; and entatives that ind property her e as herein exp	d all nued extensions, gn countries certificates, n said tion; ovements in its (s), its of this inuation-in- ent of attorney, and facts known d Assignee(s), patents on no assignment, ein conveyed
	OF ASSIGNOR	Dated:	28 July 2002	
Tom Muise / Embrace Networks - CFO	<u> </u>		20 July 2003	
State of)	SS:		
County of)	33.		
On this day of personally known to me (or proved to me or is subscribed to the within instrument, and a of his/her/their authorized capacity(ies), and the entity upon behalf of which the person(s WITNESS my hand and official seal.	acknowledge d that his/her	ed to me that he/she/they /their signature(s) on the	executed the s	ame in free act
Natanda Cimpotuno				

Notary's Signature

Γ

Embrace to Digi - Assignment Document P006 - master v2b - Heimlich Law.doc

A	S	SI	G	Ν	М	Ε	N	IT

Whereas, I/We:		
Embrace Networks, Inc.	of 950 Kife	r Road, Sunnyvale, CA 94086
hereafter referred to as Assignor(s) have rig	hts to certain new an	d useful improvements in:
METHOD AND APPARATUS FOR RELATION	ONSHIP MANAGEM	ENT
hereafter referred to as Invention,		
X for which an application was filed Image: state of the state of th	ne 2001	Application No: 09/884,741
for which a patent was granted on		Patent No:
Now, therefore, for good and valuable consi acknowledged, the Assignor(s) hereby sells	deration the sufficien , assigns, and transfe	cy and receipt of which is hereby ers to:
Digi International Inc.	of <u>11001 B</u>	ren Road E., Minnetonka, MN 55343
on any of said improvements; and in and to and extensions that have been or shall be is improvements; and in and to all rights of priv- agree that said Assignee(s) may ap own name(s); and that, when requested, wit successors, assigns, and legal representatii Assignment, the Assignor(s) will execute all part, substitute, renewal, and reissue applic applications on any and all said improvement other papers; communicate to said Assigne to the Assignor(s) relating to said improvement its successors, assigns, or representatives improvements and for vesting title to said in said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, has been made to others by the Assignor(s) Accepted and executed by Assignor(s) and Mathematical Assigner(s) and Assigner(s)	ted States and all ford ention, and in and to a renewal, and reissue een or shall be filed in all original patents, re- ssued in the United Si- ority resulting from the oply for and receive a thout charge to, but a ves, to carry out in go divisional, continuation nts; execute all rightfu- ee(s), its successors, a nents and the history to in securing and main nprovements, and all successors, assigns, or encumbrance affec), and that full right to /or Assignor(s)' legall	eign countries, in and to any and all divisional, continuation, continued e applications, reexaminations, extensions, in the United States and all foreign countries eissued patents, reexamination certificates, tates and all foreign countries on said e filing of said Invention application; patent or patents for said improvements in its t the expense of, said Assignee(s), its bod faith the intent and purpose of this on, continued prosecution, continuation-in- ns, extensions, and all other patent ul oaths, assignments, powers of attorney, and assigns, and representatives all facts known thereof; and generally assist said Assignee(s), taining patent protection for said applications for patents and all patents on , and legal representatives; and and legal representatives that no assignment, cting the rights and property herein conveyed o convey the same as herein expressed is
Tom Muise / Embrace Networks - CFO		
State of)	
County of)	
is subscribed to the within instrument and	acknowledged to me d that his/her/their sig	, before me, above-named Assignor(s), ctory evidence) to be the person whose name that he/she/they executed the same in free act nature(s) on the instrument, the person(s) or e instrument.
Notary's Signature		Embrace to Digi - Assignment Document P007 - master v2b - Heimlich Law.doc

	ASSIGNMENT	Docket No:	005168.P008
Whereas, I/We:			
Embrace Networks, Inc.	of 950 Kifer Road,	Sunnyvale, CA 94086	
hereafter referred to as Assignor(s) have rig	hts to certain new and useful	improvements in:	
METHOD AND APPARATUS FOR A CLIEN	IT CONNECTION MANAGE	२	
hereafter referred to as Invention,			
X for which an application was filed herewith or X on 15 Au	gust 2002 Applica	tion No: <u>10/222,076</u>	
for which a patent was granted on	Patent N	NO :	
Now, therefore, for good and valuable consideration acknowledged, the Assignor(s) hereby sells,	deration the sufficiency and r , assigns, and transfers to:	eceipt of which is herek	ру
Digi International Inc.	of 11001 Bren Roa	ad E., Minnetonka, MN	55343
hereafter referred to as Assignee(s), its succ and interest in the said Invention for the Unit improvements that are disclosed in the Inve- prosecution, continuation-in-part, substitute, and all other patent applications that have be on any of said improvements; and in and to and extensions that have been or shall be is improvements; and in and to all rights of pric agree that said Assignee(s) may ap own name(s); and that, when requested, wit successors, assigns, and legal representation Assignment, the Assignor(s) will execute all part, substitute, renewal, and reissue applica- applications on any and all said improvement other papers; communicate to said Assignee to the Assignor(s) relating to said improvement its successors, assigns, or representatives i improvements and for vesting title to said im- said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, of has been made to others by the Assignor(s) possessed by the Assignor(s). Accepted and executed by Assignor(s) and/	ted States and all foreign countion, and in and to all division renewal, and reissue applicate een or shall be filed in the Ur all original patents, reissued ssued in the United States an ority resulting from the filing of ply for and receive a patent of thout charge to, but at the exp ves, to carry out in good faith divisional, continuation, cont ations, reexaminations, exter nts; execute all rightful oaths, e(s), its successors, assigns, nents and the history thereof; in securing and maintaining p provements, and all applicate successors, assigns, and leg or encumbrance affecting the), and that full right to convey	antries, in and to any an onal, continuation, contin ations, reexaminations, nited States and all foreig patents, reexamination of said Invention application of said Invention application of patents for said impro- pense of, said Assignee the intent and purpose the intent and purpose the intent and purpose inued prosecution, cont nations, and all other pat , assignments, powers of , and representatives all and generally assist said patent protection for said tions for patents and all gal representatives; and gal representatives that a rights and property here the same as herein explanation.	d all nued extensions, ign countries certificates, on said tion; ovements in its e(s), its of this tinuation-in- tent of attorney, and I facts known id Assignee(s), d patents on no assignment, rein conveyed
Tom Muise / Embrace Networks - CFO		Dated: 28 July 2003	
Tom Muise / Embrace Networks - CFO			
State of			
County of			
On this day of personally known to me (or proved to me or is subscribed to the within instrument, and a of his/her/their authorized capacity(ies), and the entity upon behalf of which the person(s WITNESS my hand and official seal.	acknowledged to me that he/ that his/her/their signature(s	s) on the instrument, the	same in nee acc

	ASSIGNMENT	Docket No:	005168.P009
Whereas, I/We:			
Embrace Networks, Inc.	of 950 Kifer Road	, Sunnyvale, CA 94086	
hereafter referred to as Assignor(s) have rig	hts to certain new and usefι	Il improvements in:	
AN ITERATIVE METHOD, AND APPARATU SYNCHRONIZATION IN A DSSS RECEIVE		AND FREQUENCY	
hereafter referred to as Invention,			
X for which an application was filed herewith or X on 15 Ja	n 2002 Applica	ation No: 10/050,462	
for which a patent was granted on	Patent	No:	
Now, therefore, for good and valuable consi acknowledged, the Assignor(s) hereby sells		receipt of which is hereb	у
Digi International Inc.	of <u>11001 Bren Ro</u>	ad E., Minnetonka, MN	55343
hereafter referred to as Assignee(s), its suc and interest in the said Invention for the Uni improvements that are disclosed in the Inve prosecution, continuation-in-part, substitute, and all other patent applications that have b on any of said improvements; and in and to and extensions that have been or shall be is improvements; and in and to all rights of pri- agree that said Assignee(s) may ap own name(s); and that, when requested, wit successors, assigns, and legal representation Assignment, the Assignor(s) will execute all part, substitute, renewal, and reissue applic applications on any and all said improvement to the Assignor(s) relating to said improvement improvements and for vesting title to said im said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, of has been made to others by the Assignor(s).	ited States and all foreign co ention, and in and to all division , renewal, and reissue applic been or shall be filed in the U all original patents, reissued soued in the United States are ority resulting from the filing oply for and receive a patent thout charge to, but at the ex- ves, to carry out in good faith divisional, continuation, con- tations, reexaminations, exter nts; execute all rightful oaths be(s), its successors, assigns ents and the history thereof; in securing and maintaining in provements, and all application successors, assigns, and leg- or encumbrance affecting the), and that full right to convey	untries, in and to any an onal, continuation, contin- ations, reexaminations, nited States and all forei patents, reexamination and all foreign countries of of said Invention application or patents for said impro- topense of, said Assignee in the intent and purpose tinued prosecution, continued prosecution, continued s, assignments, powers of and generally assist said patent protection for said gal representatives; and gal representatives that e rights and property her y the same as herein explanation.	d all nued extensions, ign countries certificates, on said ation; ovements in its e(s), its of this tinuation-in- tent of attorney, and I facts known id Assignee(s), d patents on no assignment, rein conveyed
Accepted and executed by Assignor(s) and			
Tom Muise LEmbrace Networks - CFO		Dated: 28 July 2003	
•			
State of)		
On this day of personally known to me (or proved to me or is subscribed to the within instrument, and a of his/her/their authorized capacity(ies), and the entity upon behalf of which the person(s WITNESS my hand and official seal.	, in the year of, n the basis of satisfactory ev acknowledged to me that he that his/her/their signature(/she/they executed the s s) on the instrument, the	same in free act

Notary's Signature

Γ

	ASSIGNM	ENT	Docket No:	005168.P010
Whereas, I/We:				
Embrace Networks, Inc.	of	950 Kifer Road, Sunnyv	ale, CA 94086	
hereafter referred to as Assignor(s) have right	ghts to certair	n new and useful improve	ements in:	
METHOD AND APPARATUS FOR THIRD	PARTY CON	TROL OF A DEVICE		
hereafter referred to as Invention,				
X for which an application was filed Image: Constraint of the second	ov 2002	Application No:	10/290,023	
for which a patent was granted on		Patent No:		
Now, therefore, for good and valuable cons acknowledged, the Assignor(s) hereby sells			f which is hereb	у
Digi International Inc.	of	11001 Bren Road E., M	innetonka, MN	55343
hereafter referred to as Assignee(s), its suc and interest in the said Invention for the Un improvements that are disclosed in the Inve prosecution, continuation-in-part, substitute and all other patent applications that have be on any of said improvements; and in and to and extensions that have been or shall be is improvements; and in and to all rights of pri agree that said Assignee(s) may ap own name(s); and that, when requested, wi successors, assigns, and legal representation Assignment, the Assignor(s) will execute all part, substitute, renewal, and reissue applic applications on any and all said improvements to the Assignor(s) relating to said improvements improvements and for vesting title to said in said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, has been made to others by the Assignor(s).	ited States an ention, and in e, renewal, and been or shall b all original pa ssued in the U iority resulting oply for and re- thout charge ithout charge it	nd all foreign countries, in and to all divisional, cont d reissue applications, re- be filed in the United Stat atents, reissued patents, United States and all fore from the filing of said In eceive a patent or patents to, but at the expense of out in good faith the inter- portinuation, continued pro- minations, extensions, a all rightful oaths, assignn essors, assigns, and rep history thereof; and gene nd maintaining patent pro- assigns, and legal repres- assigns, and legal repres- nce affecting the rights and I right to convey the sam	and to any and tinuation, contin eexaminations, tes and all forei reexamination sign countries o vention applica s for said impro , said Assignee of and purpose osecution, contin nd all other path nents, powers of resentatives all erally assist said otection for said patents and all sentatives; and sentatives that r nd property her e as herein exp	d all nued extensions, gn countries certificates, n said tion; ovements in its (s), its of this inuation-in- ent of attorney, and facts known d Assignee(s), patents on no assignment, ein conveyed
Accepted and executed by Assignor(s) and				
Tom Muise / Embrace Networks - CFO		Dated:	28 July 2003	
State of				
County of)	SS:		
On this day of personally known to me (or proved to me o is subscribed to the within instrument, and of his/her/their authorized capacity(ies), and the entity upon behalf of which the person(s WITNESS my hand and official seal.	n the basis of acknowledged d that his/her/	to me that he/she/they to the right to me that he/she/they their signature(s) on the	executed the same	ame in free act
Notary's Signature				a sa an

	ASSIGNMENT	Docket No:	005168.P011
Whereas, I/We:			
Embrace Networks, Inc.	of 950 Kife	r Road, Sunnyvale, CA 94086	·
hereafter referred to as Assignor(s) have rig	nts to certain new an	d useful improvements in:	
METHOD AND APPARATUS FOR ASSOCI	ATING NETWORK	ENTITIES	
hereafter referred to as Invention,			
X for which an application was filed Image: herewith or X Image: herewith or X <td>ril 2003</td> <td>Application No: 10/409,234</td> <td></td>	ril 2003	Application No: 10/409,234	
for which a patent was granted on		Patent No:	
Now, therefore, for good and valuable consider acknowledged, the Assignor(s) hereby sells,	deration the sufficien assigns, and transfe	cy and receipt of which is here ers to:	by
Digi International Inc.	of <u>11001</u> B	ren Road E., Minnetonka, MN	55343
hereafter referred to as Assignee(s), its succ and interest in the said Invention for the Unit improvements that are disclosed in the Inver prosecution, continuation-in-part, substitute, and all other patent applications that have be on any of said improvements; and in and to and extensions that have been or shall be is improvements; and in and to all rights of price agree that said Assignee(s) may ap own name(s); and that, when requested, wit successors, assigns, and legal representation Assignment, the Assignor(s) will execute all part, substitute, renewal, and reissue applica- tions on any and all said improvement to the Assignor(s) relating to said improvement its successors, assigns, or representatives i improvements and for vesting title to said im- said improvements, in said Assignee(s), its covenant with said Assignee(s), its grant, mortgage, license, sale, agreement, of has been made to others by the Assignor(s) possessed by the Assignor(s). Accepted and executed by Assignor(s) and/	ed States and all for- ntion, and in and to a renewal, and reissue een or shall be filed i all original patents, re- sued in the United S ority resulting from th ply for and receive a hout charge to, but a yes, to carry out in go divisional, continuati ations, reexamination hat charge all rightfile e(s), its successors, ents and the history for n securing and main provements, and all successors, assigns, or encumbrance affe- to, and that full right to or Assignor(s)' legall	eign countries, in and to any and all divisional, continuation, cont e applications, reexaminations in the United States and all fore eissued patents, reexamination tates and all foreign countries e filing of said Invention applic patent or patents for said impri- t the expense of, said Assigne bod faith the intent and purpose on, continued prosecution, cor- ns, extensions, and all other pa- al oaths, assignments, powers assigns, and representatives a thereof; and generally assist sa- taining patent protection for sa- applications for patents and all , and legal representatives that cting the rights and property he o convey the same as herein ex- ty authorized representative(s)	nd all inued , extensions, eign countries n certificates, on said ation; ovements in its e(s), its e of this ntinuation-in- atent of attorney, and all facts known aid Assignee(s), id I patents on d t no assignment, erein conveyed kpressed is
Tom Muise / Embrace Networks - CFO		Dated: 28 July 2003	3
Tom Muise / Embrace Networks - CFO			
State of)		
On this day of personally known to me (or proved to me or is subscribed to the within instrument, and a of his/her/their authorized capacity(ies), and the entity upon behalf of which the person(s WITNESS my hand and official seal.	acknowledged to me I that his/her/their sid	inat ne/sne/tney executed the inature(s) on the instrument, th	same in nee acc

005168.P011 Docket No:

AS	SI	GI	NR	ΛE	NT

REEL: 014357 FRAME: 0485

Whereas, I/We:			
Embrace Networks, Inc.	of _95	50 Kifer Road, Sunnyva	ale, CA 94086
hereafter referred to as Assignor(s) have r	ights to certain r	new and useful improve	ments in:
Method and Apparatus for Key Manageme	ent for Various D	evice-Server Configura	tions
hereafter referred to as Invention,			
X for which an application was filed			
herewith or X on 14 J	lan 2003	Application No:	10/342,868
for which a patent was granted on		Patent No:	
Now, therefore, for good and valuable con acknowledged, the Assignor(s) hereby sel	sideration the sulls, assigns, and	ufficiency and receipt of transfers to:	which is hereby
Digi International Inc.	of1	1001 Bren Road E., Min	nnetonka, MN 55343
and interest in the said Invention for the Unimprovements that are disclosed in the Inverse prosecution, continuation-in-part, substitute and all other patent applications that have on any of said improvements; and in and the and extensions that have been or shall be improvements; and in and to all rights of pagree that said Assignee(s) may a own name(s); and that, when requested, with successors, assigns, and legal representations on any and all said improvements; communicate to said Assign to the Assignor(s) relating to said improvements and for vesting title to said said improvements, in said Assignee(s), it covenant with said Assignee(s), it grant, mortgage, license, sale, agreement has been made to others by the Assignor(s).	vention, and in a te, renewal, and been or shall be to all original pate issued in the Ur priority resulting f apply for and rec without charge to atives, to carry ou all divisional, cor lications, reexam nents; execute al nee(s), its succes ements and the h s in securing and improvements, at ts successors, as ts successors, as t, or encumbrance (s), and that full	Ind to all divisional, conti reissue applications, re- e filed in the United State ents, reissued patents, i nited States and all forei from the filing of said Invi- ceive a patent or patents o, but at the expense of, ut in good faith the inter- ninations, extensions, ar ll rightful oaths, assignm ssors, assigns, and repu- nistory thereof; and gene d maintaining patent pro- and all applications for p ssigns, and legal repress ssigns, and legal repress ce affecting the rights ar right to convey the same	inuation, continued examinations, extensions, es and all foreign countries reexamination certificates, ign countries on said vention application; a for said improvements in its said Assignee(s), its it and purpose of this osecution, continuation-in- nd all other patent nents, powers of attorney, and resentatives all facts known erally assist said Assignee(s), otection for said patents and all patents on sentatives; and sentatives that no assignment, and property herein conveyed e as herein expressed is
Accepted and executed by Assignor(s) an	id/or Assignor(s))' legally authorized repr	esentative(s):
Tam Mulao / Embraco Natworks - CEO		Dated:	28 July 2003
Tom Muise / Embrace Networks - CFO			
State of)	SS:	
County of			
On this day of personally known to me (or proved to me is subscribed to the within instrument, and of his/her/their authorized capacity(ies), a the entity upon behalf of which the person WITNESS my hand and official seal.	d acknowledged Ind that his/her/th	heir signature(s) on the	executed the same in free act
Notary's Signature		 -	race to Digi - Assignment Document P012 - maste
	1/1	Emo	v2b - Heimlich Law.dor PATENT

RECORDED: 07/30/2003