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TO THE DIRECTOR O	OF U.S. PATENT A	ND TRADEMARK	OFFICE:	1016888	350
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. NAME OF CONVE	YING PARTY(IES)	(ASSIGNOR(S)):		ILINEOP.	
1) Daniel HRONE 2) Erik WALLACE 3) Phillip GEIL	5) Walte	McCORMICK er WEICHSELBAU le PIKE	7) Mark TIT MER	us	
DDITIONAL NAME(S			ACHED? YES	XN	0
PARTY(IES) (ASSI					
AME: TeleCommun DDRESS: 275 West	ication Systems, I Street, Suite 400	Inc. Annanolis Mandan	d 21404		
DDITIONAL NAME(S) & ADDRESS(ES)) ATTACHED?	0 2 1401 □ TYES	□∇ ¬∧,	2
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X ASSIGNMEN	•				
CHANGE OF			=X20.	DATE: March 1	5, 2001
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09/793,089	20-443	HROKEN			
Name & Address of Foncerning Documen	Party to Whom Core of Should be Mailed	respondence I:	6. NUMBER INVOLVE APPLNS 1 + PATS	D: = TOTAL 1	
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orney: William H. <u>Boll</u> . No. 36,457			or nie dup. Cover sneet)		
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-	TEL: (202)261	ไ ล้กวก	Fax (20)	2) 887-0336	

FILE WITH PTO RETURN RECEIPT

ASSIGNMENT AND AGREEMENT

For value received, we, Daniel HRONEK, of 1709 Woodlore Road, Annapolis, in the County of Anne Arundel and State of Maryland, and Erik WALLACE, of 1326 Swan Drive, Annapolis, in the County of Anne Arundel and State of Maryland, and Phillip GEIL, of 6216 Lilac Bush Lane, Clarksville, in the County of Howard and State of Maryland, and Tom McCORMICK, of 1231 Gemini Drive, Annapolis, in the County of Anne Arundel and State of Maryland, and Walter WEICHSELBAUMER, of 1020 Spa Road, Annapolis, in the County of Anne Arundel and State of Maryland, and Orville PIKE, of 210-B Victor Parkway, Annapolis, in the County of Anne Arundel and State of Maryland, and Mark TITUS, of 396 Kiltie Court, Arnold, in the County of Anne Arundel and State of Maryland. hereby sell, assign and transfer to TeleCommunication Systems, Inc., a corporation of the State of Maryland, having an office at 275 West Street, Suite 400, Annapolis, Maryland, 21401, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to MOBILE ORIGINATED INTERACTIVE MENUS VIA SHORT MESSAGING SERVICES, described in an application for Letters Patent of the United States, executed by us on even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to TeleCommunication Systems, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize **TeleCommunication Systems**, Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **TeleCommunication Systems**, **Inc.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said invention be issued to **TeleCommunication** Systems, Inc. in the United States and in all countries foreign to the United States, or to such nominees as **TeleCommunication Systems**, Inc. may designate.

1

PATENT REEL: 011711 FRAME: 0956 We agree that, when requested, we shall, without charge to **TeleCommunication** Systems, Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Daniel, HRONEK

Date:	3-13-01	
United St	ates of America)
State of	MARYLAND) ss.:

County of ANNE ARUNOEL

On this 15th day of MARCH, 2001, before me personally came [Daniel HRONEK], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Peggy a Solomon

Notary Public
Commission expires 4/1/03



Zile hyle Walled Erik WALLACE

Date: 3-15-01	_
United States of America)
State of MARYLAND) ss.:
County of ANNE ARUNDEL)
On this 15th day [Erik WALLACE], to me known foregoing instrument, and acknowled	of MARCH, 2001, before me personally came to be the individual described in and who executed the dged execution of the same.

Peggy A. Solomon

Notary Public
Commission expires 4-1-03



Phillip GEIL

Date: _	INDACH.	13,2001	
		•	

United States of America)

State of MARYLAND) ss.:

County of ANNE ARWOOL)

On this 15th day of MARCH, 2001, before me personally came [Phillip GEIL], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Peggy a. Solomon Notary Public Commission experies 4-1-03



Humy . Om Comuck
Tom McCORMICK

Date:	1:11110011	10,2001	
		•	

United States of America

State of MARYLAND

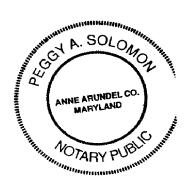
) ss.:

County of PANNE PRUNDEL)

On this ______ day of _______, 2001, before me personally came [Tom McCORMICK], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Deggy A. Solomon

Notary Fliblic
Commussion expires 4-1-03



Walter WEICHSELBAUMER

	7 15-01	
Date:	3-15-01	

United States of America)

State of MARYLANO) ss.:

County of ANNE ARUNOEL)

On this _____ day of ______, 2001, before me personally came [Walter WEICHSELBAUMER], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Seggy a. Solomon

Notaty Public
Commission expires 4-1-03



Orville PIKE

Date: MARCH	15,	2001
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United States of America

State of MARYLAND) ss.:

County of ANNE ARUNOEL)

On this 15th day of MARCH, 2001, before me personally came [Orville PIKE], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Peggy A. Solomon Notary Public Commission expires 4-1-03



Male Feter
Mark TITUS

Date:	MARCA	15,2001	
Date.	110011	10,000	

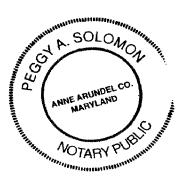
United States of America)

State of MARYLAND) ss.

County of ANNE ARUNDEL)

On this 15th day of MARCH, 2001, before me personally came [Mark TITUS], to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Deggy a Solomon Notary Russich exprés 4-1-03



PATENT REEL: 011711 FRAME: 0963