BOX ASSIGNMENTS		06-21-20	jj i/1	DO NOT USE FOR TRADEMARKS		
6.1404	P.					
TO THE DIRECTOR OF SIR: PLEASE RECORD		1027717		EOF.	S. PT	
NAME OF CONVEYING Timothy J. LORELL Reuben D. HART; Constantin Horatiu	. O;	S) (ASSIGNOR(S)):			17548 U. 10/865	
ADDITIONAL NAME(S)	OF CONVEYI	NG PARTY(IES) ATTA	CHED? YES		NO	
2. PARTY(IES) (ASSIGI	NEE(S)) REC	EIVING INTEREST:				
NAME: TeleCommunic ADDRESS: 275 West S			and 21401			
ADDITIONAL NAME(S)		-	YES		NO	
 NATURE OF CONVE (Submit herewith only inventors is one doc 	one documer		iple copies of same Assig	nment signed by	different	
X ASSIGNMENT O	· —	WHOLE	PART INTEREST E	XEC. DATE: C	ctober 19, 1999	
CHANGE OF NA	ме	VERIFIED TRANSLAT	TION			
SECURITY		MERGER	OTHER:	65924		
4. EXECUTION DATES (NOTE: IF DATES ↑.			D HEREWITH: October 1	19, 1999 '		
4.5 APPL. OR PATENT			SHEET(S) ATTACHED?	YES	S X NO	
A. PAT. APP. NO.(S) series code/serial no.	MATTER#	1ST INVENTOR if not in item 1	B. PATENT NO(S)	MATTER#	1ST INVENTOR if not in item 1	
Unknown	20-575	LORELLO				
Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:			6. NUMBER INVOLVED: APPLNS <u>1</u> + PATS = TOTAL <u>1</u>			
MANELLI DENISON & SELTER PLLC 2000 M Street, NW Suite 700 Washington, DC 20036			7. AMOUNT OF FEE ENCLOSED: (Code 581)			
5.5 ATTORNEY DOCKET:			8. IF ABOVE FEE IS MISSING OR INADEQUATE, CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687			
20-575		ORELLO et al.	UNDER ORDER NO: 20-5	575	20-575	
MATTER NO.				1 (1	ICAITA AATTED	
		LIENT REFERENCE	duplicate sheet not required		LIENT/MATTER	
	I IGNATURE:	To the best of my knowl	ledge and belief, the foreg			
9. STATEMENT AND S	I IGNATURE:	To the best of my knowl	ledge and belief, the foregonument. 10. Total number of pag	oing information es including this	is true and	
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9. STATEMENT AND S correct and any attached Attorney: William H. Boll Reg. No. 36,457	IGNATURE: Toopy is a true	To the best of my knowl	ledge and belief, the foregoneument. 10. Total number of pag cover sheet, attachments (do not file duplicate cov	oing information os including this and document or sheet)	is true and	
9. STATEMENT AND S correct and any attached Attorney: William H. Boll	IGNATURE: Toopy is a true	To the best of my knowledge copy of the original do	ledge and belief, the foregonement. 10. Total number of page cover sheet, attachments (do not file duplicate cover sheet).	poing information les including this s and document er sheet) une 14, 2004	is true and	
9. STATEMENT AND S correct and any attached Attorney: William H. Boll Reg. No. 36,457	IGNATURE: Toopy is a true	To the best of my knowl	ledge and belief, the foregonement. 10. Total number of pag cover sheet, attachments (do not file duplicate cov	oing information os including this and document or sheet)	is true and	

ASSIGNMENT AND AGREEMENT

For value received, we, Timothy J. Lorello, of 1524 Sappington Dr., Gambrillo, in the County of Anne Arundel and State of Maryland, Constantin Horatiu Puscas, of 414 Silverleaf Court, Glen Burnie, in the County of Anne Arundel and State of Maryland and Reuben D. Hart, of 822 Vacation Dr., Odenton, 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 INTELLIGENT QUEUE FOR INFORMATION TELESERVICE MESSAGES WITH SUPERCEDING UPDATES described in an application for Letters Patent of the United States. executed by us on even date herewith, the specification of which was filed on October 4, 1999, 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 inventions 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.

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.

Timothy J. Lorello

Date: 10/18/99

United States of America

State of MARYLAND

) ss.:

County of ANNE ARUNDER

On this 18th day of October, 1999, before me personally came Timothy J. Lorello, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



/Notary Public

BRUCE A. WHITE
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires June 1, 2003

Reuben D. Hart

Date: 10/19/99

United States of America

State of MARYLAND

) ss.:

County of ANNE ARUNDEL

On this 19th day of October, 1999, before me personally came Reuben D. Hart, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public

BRUCE A. WHITE
NOTARY PUBLIC STATE OF MARYLAND
My Congnission Expires June 01, 2003

Constantin Horariu Puscas

Date:	10/19/1999		
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State of MARYLAND

) ss.:

County of ANNE ARUNDEL

OTARY

Motary Public

BRUCE A. WHITE
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires June 01, 2003

PATENT REEL: 015463 FRAME: 0868

RECORDED: 06/14/2004