Electronic Version v1.1

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SUBMISSION TYPE	SSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONV	EYANCE:	A	ASSIGNMENT		
CONVEYING PART	Υ DATA				
Name Execut				Execution Date	
Pavel Panteleev				09/22/2008	
Alexandre Andreev				09/12/2008	
Elyar Gasanov				08/21/2008	
llya Neznanov				08/21/2008	
RECEIVING PARTY	' DATA				
Name: LSI CORPORATIO]	
Street Address:	1621 Barber Lane				
Internal Address:	MS D-106				
City:	Milpitas				
State/Country:					
Postal Code:	95035				
PROPERTY NUMBE	ERS Total: 1				
Property Type			Number		
Application Number: 1221		12211985	5		
CORRESPONDENC	E DATA				
Fox Number:	(070)40	2 1101			
Fax Number: Correspondence will	(970)49 I <i>l be sent via US</i>		n the fax attempt is unsuccessf	ับ!.	
Correspondence will be sent via US Mail when the fax attempt is unsuccessful. Phone: 970-492-1100					
Email: pamc@patentlegal.com					
Correspondent Name: LSI CORPORATION					
Address Line 1: 1621 Barber Lane					
Address Line 2:					
Address Line 4:	Milpitas	, CALIFOR	RNIA 95035		
ATTORNEY DOCKET NUMBER:		L	LSI.130US01 (07-1865)		
NAME OF SUBMITTER:		P	Pamela Calderwood		
		IL		PATENT	
500653796				REEL: 021564 FRAME: 0802	2

Total Attachments: 3 source=LSI130US01_Assignment#page1.tif source=LSI130US01_Assignment#page2.tif source=LSI130US01_Assignment#page3.tif When recorded please return to: Cochran Freund & Young LLC 2026 Caribou Drive, Suite 201 Fort Collins, CO 80525

PATENT APPLICATION DOCKET NO.: LSI.130US01 (07-1865)

ASSIGNMENT OF PATENT APPLICATION

I/We, the undersigned (each) have agreed and hereby agree to assign to <u>LSI CORPORATION</u> (hereinafter Assignee), for good and valuable consideration, receipt of which is hereby acknowledged, and do hereby sell, assign and transfer to Assignee, its successors and assigns, the entire right, title and interest, including the right of priority, in, to and under an application for Letters Patent of the United States entitled:

VARIABLE REDUNDANCY REED-SOLOMON ENCODER

Filing date: 09/17/2008 Application No.: 12/211,985 and the invention(s) and improvement(s) set forth therein, and any and all provisionals, non-provisionals, continuations, continuations-inpart (C-I-P's), divisionals, and renewals of and substitutes for said application for said Letter Patent, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; and any reissues, or reexaminations, or extensions of said Letters Patent.

I/We additionally authorize Assignee to file applications in my/our name for Letters Patent in any country, to be held and enjoyed by Assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made;

AND I/we hereby covenant that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent, to Assignee, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to Assignee or to its nominee, all known facts respecting said invention(s) or improvement(s), said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C-I-P's, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything possible to aid Assignee, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvement(s) in any and all countries provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Assignee.

AND I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to Assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I/we further authorize and direct Assignee's attorneys to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):

JAA		_ Date Assignment Signed:	09/22/20	05
Inventor's Signature (Seal)				
Inventor's Typed Name: PAVE	L PANTELEEV			
State of)			
) ss.:			
County of RUSSIA)			
Before me this	day of	· · · · · · · · · · · · · · · · · · ·	2008, personally appeare	d <u>PAVEL PANTELEEV</u>
who is personally known or p	proved to me on the	basis of satisfactory evidence	to be the person who a	cknowledged the foregoing

Page 1 of 2

instrument of assignment to be his/her free act and deed.

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When recorded please return to: Cochran Freund & Young LLC		·	PATENT APP DOCKET NO.: LSL130US0	
1926 Cariboa Drive, Suite 201 Fort Collins, CO 80525				
				.' •
IN WITNESS WI	EREOF, I/we here	unto set my/our hand(s) and seal(s):		
		Date Assignment Signed:		
ventor's Signature (Seal) ventor's Typed Name: AI	EXANDRE ANDRE			······
ate of)) 85.:	·	•	
unty of	5		· · ·	
Before me this	_day of	, 2008, personally appear	ed ALEXANDRE ANDREEV who	is personal
own or proved to me on the his/her free act and deed.	he basis of satisfactory	y evidence to be the person who ackno	wiedged the foregoing instrument of a	ssignment
			· .	
		Notary Public		
		My commission expires:		
		•		
IN WITNESS WE	IEREOF, I/we hereu	into set my/our hand(s) and seal(s):		
the	· · · · · · · · · · · · · · · · · · ·	Date Assignment Signed:	9812112008	
centor's Signature (Scal) rentor's Typed Name: EL	VAR GASANOV			
				:
te of)) ss.:		•	•
unty of) 33			•
Before me this	day of		· · ·	
			008, personally appeared <u>ELVAR</u>	GASANO
10 18 personally known (of proved to me on t	the basis of satisfactory evidence to	be the person who acknowledged th	he foregoin
trument of assignment to l	or proved to me on t be his/her free act and	the basis of satisfactory evidence to	be the person who acknowledged t	he foregoin
to is personally known (trument of assignment to l	of proved to me on t be his/her free act and	the basis of satisfactory evidence to deed.	be the person who acknowledged th	he foregoin
trument of assignment to l	or proved to me on t be his/her free act and	the basis of satisfactory evidence to deed.		he foregoin
a annealt of \$394Kinitchis (o. 1	ne ma ser nee act and	the basis of sariafactory evidence to deed. Notary Public My commission expires		he foregoin
IN WITNESS WH	ne ma ser nee act and	the basis of satisfactory evidence to deed. Notary Public My commission expires nto set my/our hand(s) and seal(s):		e foregoin
IN WITNESS WH	ne ma ser nee act and	the basis of sariafactory evidence to deed. Notary Public My commission expires		he foregoin,
IN WITNESS WH Run- rentor's Signature (Seal)	EREOF, I/we hereu	the basis of satisfactory evidence to deed. Notary Public My commission expires nto set my/our hand(s) and seal(s):		he foregoin,
IN WITNESS WH My - entor's Signature (Seal) entor's Typed Name: IL y	EREOF, I/we hereu	the basis of satisfactory evidence to deed. Notary Public My commission expires nto set my/our hand(s) and seal(s):		he foregoin,
IN WITNESS WH My - entor's Signature (Seal) entor's Typed Name: IL y	IEREOF, I/we herey (A NEZNANOV)	the basis of satisfactory evidence to deed. Notary Public My commission expires nto set my/our hand(s) and seal(s):		he foregoin,
IN WITNESS WH Mun- entor's Signature (Seal) entor's Typed Name: IL y te of	EREOF, I/we hereu	the basis of satisfactory evidence to deed. Notary Public My commission expires nto set my/our hand(s) and seal(s):		he foregoin,
IN WITNESS WH <u>Mun-</u> entor's Signature (Seal) entor's Typed Name: IL y te of unty of Before me this	VA NEZNANOV	the basis of satisfactory evidence to deed. Notary Public My commission expires nto set my/our hand(s) and seal(s): Date Assignment Signed:	⊙€/21/2005	
IN WITNESS WH <u>Myn-</u> entor's Signature (Seal) entor's Typed Name: IL y te of Inty of Before me this o is personally known or	EREOF, I/we hereu (A NEZNANOV))ss.:) day of	the basis of satisfactory evidence to deed. Notary Public My commission expires nto set my/our hand(s) and seal(s): Date Assignment Signed; 2 he basis of satisfactory evidence to	⊙€/21/2005	
IN WITNESS WH <u>Kun-</u> rentor's Signature (Seal) entor's Typed Name: IL y te of Before me this o is personally known or	EREOF, I/we hereu (A NEZNANOV))ss.:) day of	the basis of satisfactory evidence to deed. Notary Public My commission expires nto set my/our hand(s) and seal(s): Date Assignment Signed; 2 he basis of satisfactory evidence to	⊙€/21/2005	
IN WITNESS WH <u>Kun-</u> rentor's Signature (Seal) entor's Typed Name: IL y the of Before me this o is personally known or	EREOF, I/we hereu (A NEZNANOV))ss.:) day of	the basis of satisfactory evidence to deed. Notary Public My commission expires nto set my/our hand(s) and seal(s): Date Assignment Signed; 2 he basis of satisfactory evidence to deed.	⊙€/21/2005	
IN WITNESS WH <u>Mun</u> - ventor's Signature (Seal) ventor's Typed Name: IL y ate of unty of Before me this	EREOF, I/we hereu (A NEZNANOV))ss.:) day of	the basis of satisfactory evidence to deed. Notary Public My commission expires into set my/our hand(s) and seal(s): Date Assignment Signed: , 2 he basis of satisfactory evidence to deed. Notary Public	CO8, personally appeared <u>IIYA N</u> be the person who acknowledged in	E2NANOV foregoing
IN WITNESS WH <u>Kun-</u> entor's Signature (Seal) entor's Typed Name: IL y te of unty of Before me this o is personally known or trument of assignment to b	EREOF, I/we hereu (A NEZNANOV))ss.:) day of	the basis of satisfactory evidence to deed. Notary Public My commission expires into set my/our hand(s) and seal(s): Date Assignment Signed: , 2 he basis of satisfactory evidence to deed. Notary Public	⊙€/21/2005	E2NANOV foregoing
IN WITNESS WH <u>Kun-</u> rentor's Signature (Seal) entor's Typed Name: IL y the of Before me this o is personally known or	EREOF, I/we hereu (A NEZNANOV))ss.:) day of	the basis of satisfactory evidence to deed. Notary Public My commission expires into set my/our hand(s) and seal(s): Date Assignment Signed: , 2 he basis of satisfactory evidence to deed. Notary Public	CO8, personally appeared <u>IIYA N</u> be the person who acknowledged in	E2NANOV foregoing
IN WITNESS WH <u>Mun-</u> ventor's Signature (Seal) ventor's Typed Name: IL y ate of unty of Before me this to is personally known or trument of assignment to b	EREOF, I/we hereu (A NEZNANOV))ss.:) day of	the basis of satisfactory evidence to deed. Notary Public My commission expires into set my/our hand(s) and seal(s): Date Assignment Signed: , 2 he basis of satisfactory evidence to deed. Notary Public	CO8, personally appeared <u>IIYA N</u> be the person who acknowledged in	E2NANOV foregoing

PATENT REEL: 021564 FRAME: 0805

When recorded please return to Cochran Freund & Young L 2026 Caribou Drive, Suite 24 Fort Collins, CO 80525	LC	PATENT APPLICATION DOCKET NO.: LSI.130US01 (07-1865)
IN WITNESS WH	EREOF, I/we hereu	into set my/our hand(s) and seal(s):
EFF4	\mathcal{V}/\mathcal{I}	Date Assignment Signed:
Inventor's Signature (Seal) Inventor's Typed Name: ALF		
State of)) ss.:	
County of)	
		, 2008, personally appeared <u>ALEXANDRE ANDREEV</u> who is personally vevidence to be the person who acknowledged the foregoing instrument of assignment to
		Notary Public My commission expires:
IN WITNESS WH	EREOF, I/we hereu	into set my/our hand(s) and seal(s):
		Date Assignment Signed:
Inventor's Signature (Seal) Inventor's Typed Name: ELY	'AR GASANOV	
State of)) ss.:	
County of)	
Before me this who is personally known or instrument of assignment to be	day of r proved to me on r e his/her free act and	the basis of satisfactory evidence to be the person who acknowledged the foregoing
		Notary Public My commission expires:
IN WITNESS WHI	EREOF, I/we hereu	into set my/our hand(s) and seal(s):
Inventor's Signature (Seal) Inventor's Typed Name: ILY.		Date Assignment Signed:
State of)) ss.:	
County of) ss.:)	
-	í N O	
Before me this who is personally known or instrument of assignment to be		, 2008, personally appeared <u>ILYA NEZNANOV</u> the basis of satisfactory evidence to be the person who acknowledged the foregoing deed.

PATENT

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RE@@RDED: 09/22/2008