PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Amaresh Malipatil	04/27/2009
Lizhi Zhong	04/27/2009
Wenyi Jin	04/27/2009
Ye Liu	04/27/2009

RECEIVING PARTY DATA

Name:	LSI CORPORATION
Street Address:	1621 Barber Lane
Internal Address:	MS D-105
City:	Milpitas
State/Country:	CALIFORNIA
Postal Code:	95035

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	12353860	

CORRESPONDENCE DATA

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Address Line 4: Fort Collins, COLORADO 80525

ATTORNEY DOCKET NUMBER: LSI.124US01 (07-2218)

NAME OF SUBMITTER: Pamela Calderwood

PATENT

REEL: 022815 FRAME: 0184

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Total Attachments: 2

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PATENT REEL: 022815 FRAME: 0185

2026	Caribou	Drive,	Suite	201
Fort	Collins, (CO 80:	525	٠.

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:

TX BACK CHANNEL ADAPTATION ALGORITHM

Filing date: January 14, 2009 App	blication No.: 12/353,860
part (C-I-P's), divisionals, and renewals of and subs	nerein, and any and all provisionals, non-provisionals, continuations, continuations-in titutes for said application for said Letter Patent, and any and all Letters Patent of the may be granted thereon or therefor; and any reissues, or reexaminations, or extensional titues.
by Assignee, its successors, assigns, nominees or le	applications in my/our name for Letters Patent in any country, to be held and enjoyed gal representatives, to the full end of the term or terms for which said Letters Paten as fully and entirely as the same would have been held and enjoyed by me/us had this
and will not execute any agreement in conflict here and without undue delay, execute and deliver all su improvement(s), said application and said Letters Pagree to communicate to Assignee or to its nominee said Letters Patent, to testify in any legal proceedings I-P's, reissue and foreign applications, to make all rigits successors, assigns, nominees and legal represent said invention(s) or improvement(s) in any and all cooperation and assistance are paid by Assignee. AND I/we hereby authorize and request the country or countries foreign to the United States wassignee of the entire right, title and interest, any a	full right to convey the entire interest herein assigned, and that I/we have not executed with, and I/we further covenant and agree that I/we will, each time a request is made ch papers as may be necessary or desirable to perfect the title to said invention(s) or atent, to Assignee, its successors, assigns, nominees or legal representatives, and I/we, all known facts respecting said invention(s) or improvement(s), said application and s, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, C ghtful oaths and declarations, and generally to do everything possible to aid Assignee tatives to obtain and enforce, for its or their own benefit, proper patent protection for countries provided the expenses which may be incurred by me/us in lending such a commissioner of Patents and Trademarks of the United States and any official of any hose duty it is to issue patents on applications as aforesaid, to issue to Assignee, and all Letters Patent for said invention(s) or improvement(s), including any and all sued and granted on or as a result of the application aforesaid, in accordance with the
IN WITNESS WHEREOF, I/we hereunto s	et my/our hand(s) and seal(s):
Amarel	Date Assignment Signed: 4/27/2009
Inventor's Signature (Seal) Inventor's Typed Name: Amaresh Malipatil	
State of)) ss.:	
County of)	
	, 2009, personally appeared <u>Amaresh Malipatil</u> , who is personally known or be the person who acknowledged the foregoing instrument of assignment to be his/her
•	Notary Public

PATENT REEL: 022815 FRAME: 0186

Inventor's Signature (Seal) Inventor's Typed Name: Lizh	ni Zhong	Date Assignment Signed:	4/27/09
State of County of)) ss.:)		
Before me this proved to me on the basis of free act and deed.		, 2009, personally appeared to be the person who acknowledged the for	<u>Lizhi Zhong</u> , who is personally known or egoing instrument of assignment to be his/her
		Notary Public	
Inventor's Signature (Seal) Inventor's Typed Name: Wer	nyi Jin	Date Assignment Signed:	-/27/01
State of County of)) ss.:)		
Before me this to me on the basis of satisfactor and deed.		, 2009, personally appeared <u>W</u> e person who acknowledged the foregoing in	enyi Jin, who is personally known or proved a strument of assignment to be his/her free act
		Notary Public	
Inventor's Signature (Seal) Inventor's Typed Name: Ye I		Date Assignment Signed:	H27/09
State of)) ss.:		
County of)		
Before me this one on the basis of satisfactory and deed.	day of	, 2009, personally appeared <u>Ye</u> person who acknowledged the foregoing ins	Liu, who is personally known or proved to strument of assignment to be his/her free act
		Notary Public	

RECORDED: 06/11/2009

PATENT REEL: 022815 FRAME: 0187