Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450		nt Recordation Services I the U.S. Patent rademark Office 1450	RECORDATION FORM COVER SHEET PATENTS ONLY U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office					
			,		At	torney Docket No.	154827	
	•	ord the attached document. ber of pages including cover shee	et, attachments, and docume	:nt: <u>3</u>				
1.	A.	Name of conveying parties:		2. /	A. Name an	nd address of receivi	ng parties:	
		[1] Ian John SHAYLOI [2] David Andrew CLII	FTON			MIZED SYST SOLUTION OR LANE, DE 8BJ,	S LIMITED	
	В.	Additional name(s) of conveying	g party(ies) attached? ☐ Yes 🏿 No		GREAT BRITAIN			
3.	Α.	Nature of conveyance:			B. Addition	nal name(s) & addre	ess(es) attached? Yes 🛛 No	
		Assignment	Merger					
		Security Agreement	Change of Name					
		Other						
	В.	Execution Date: [1] Septem [2] October						
4.	Α.	Patent Application No. 13/583,	107		B. Patent N	lo.(s)		
			Additional numbers attack	hed?	☐ Yes 🛛 N	O		
	C.		IOD AND APPARATU IRAL DATA	S FOI	R COMPRE	SSION AND DE	3-COMPRESSION OF	
5.		ne and address of party to whom c erning document should be maile		6.	Total number	of applications and	patents involved: 1	
		me: James A. Oliff dress: OLIFF & BERRIDGE		7.	Please cl total fee (narge Deposit Ac (37 CFR 3.41) in t	secount No. 15-0461 the the amount of \$40.00.	
		P.O. Box 32085 Alexandria, VA 2232 Phone Number: 703-8 Fax Number: 703-83	.0-4850 36-6400	8.	Credit any ov deposit accou	verpayment or charg ant number 15-0461	e any underpayment to	
9.	To to orig	tement and signature. he best of my knowledge and beli anal document.	Z	n is tru		and any attached co		
	Jam Dav	es A. Oliff, Registration No. 27,0 id S. Easwaran, Registration No.	075 65,115					

PATENT REEL: 029148 FRAME: 0097

ASSIGNMENT

			ASSIGN	TATELY T			
		(1)	IAN JOHN SHAYLOR		(5) _	***	
(1-8)	Insert	(2)	DAVID ANDREW CLIFTON		(6) _	***************************************	
	Name(s) of Inventor(s)	(3)			(7)		
	•	(4)	12.N.W.		(8)	,	
		to eac	In consideration of the sum of or th of the undersigned, each under	ne dollar (\$	t.00) an	id other good and valua	ble consideration paid
(9)	Insert Name of	(0)	OPTIMIZED SYSTEMS AND	SOI HTIO	NIC I INA	uten	
(10)	Assignee Insert Address of Assignee	(9)					
		inven	MOOR LANE, DERBY, DE2- inafter designated as the Assignee) itire right, title and interest for the tion, and in all applications for pat nuation, international, confirmation sions, reissues and reexamination of	and Assigne United State ent including substitute	e's heir s of An g any ar and reis	s, successors, assigns an nerica as defined in 35 U nd all provisional, non-p ssue application(s), and s	J.S.C. §100, in the provisional, divisional, all Letters Patent,
(11)	Insert	(11)	METHOD AND APPARAT SPECTRAL DATA	US FOR	СОМР	RESSION AND DE-	-COMPRESSION OF
	Identification such as Title, Case Number, or Foreign Application Number		4558 VJAY				
		(Atto	(Attorney Docket No. 154827				
			hich the undersigned has (have) e en date herewith or	xecuted an	applica	tion for patent in the Ur	nited States of America
(12)	Insert Date of Signing of	(12)	on				
	Application	()					
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial Number	13/58	3,107		
		filed	October 17, 2012		1		
the Ass claims of reexami Patents full righ and agr	ignee in every way possible if 3) Each undersigned agree or provisions of the Internation 4) Each undersigned agree ination a grant of a valid Unit 5) Each undersigned author of the United States resulting at to convey the entire interest that this assignment is bit 6) Each undersigned here cation that may be necessary	in obtain is to execute onal Content is to perfected State orizes and g from set therein inding or	thereof, or any patent or reissue ap- ing evidence and going forward we to the all papers and documents and evention for Protection of Industri- form all affirmative acts which ma- es patent to the Assignce. It is defended to the Assignce of the aid application(s) to the said Assi- assigned, and that he has not exce- table in order to comply with the re-	vith such into perform and Property by the necessing U.S. Pate gnce, as Assouted, and visigns and to PLC the poverties to the policy of the policy in the po	terferency act wor similary to on the and lesignee of the control	ce. which may be necessary lar agreements. btain, maintain or conf Trademark Office to iss of the entire interest, and execute, any agreement resentatives. nsert on this assignment	in connection with firm by reissue or sue any and all Letters d covenants that he has ts in conflict herewith, t any further
recorda	tion of this document. In witness whereof, execu	ted by t	he undersigned on the date(s) o	pposite the	unders	signed name(s).	
Date	09/07/2	012	Inventor Signature	IAN JOH	N SHA'	YLOR	Rah (SEAL)
Date	**************************************		Inventor Signature	DAVID A	NDRE	W CLIFTON	(SEAL)
Date			Inventor Signature				(SEAL)
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neither, Date	then it should be signed bef	eferably lore at lea	be signed before: (a) a Notary Pub ast two witnesses who also sign he Witness		the U.	Y DUNCAN	YOUNG
Date	09/07/12		Witness	When	w.	_ RICHARD	NEWMAN
				U			

PATENT REEL: 029148 FRAME: 0098

ASSIGNMENT

		(1)	IAN JOHN SHAYLOR						
(1-8)	lasert-	(2)	DAVID ANDREW CLIFTON						
(3 0)	Name(s) of Inventor(s)	(3)							
	of marchine for	(4)							
		to each	In consideration of the sum of one of the undersigned, each under	ne dollar (\$1:00) a	nd other good and valuable of	consideration paid			
/ns	Yanana Nama of	ôver to).						
(9)	Insert Name of Assignee Insert Address of Assignee	(9)	(9) OPTIMIZED SYSTEMS AND SOLUTIONS LIMITED						
(10)		(10)	(10) MOOR LANE, DERBY, DE24 8BJ, GREAT BRITAIN. (hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives.						
		the ent inventi	nation designated as the Assignee) ite right, title and interest for the ion, and in all applications for pat pation, international, confirmation one, reissues and reexamination.	United States of Areat including any a continuity and rei	nerica as defined in 35 U.S.C and all provisional, non-providual ssue application(s), and all L	. §100, in the sional, divisional, esters Patent.			
(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	METHOD AND APPARATUS FOR COMPRESSION AND DE-COMPRESSION OF SPECTRAL DATA						
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		(Attor	ncy Docket No. 154827		and the same of th	>			
		for wh on eve	for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or						
(12)	Insert Date of	(12)	on						
	Signing of Application	(12)	On ,						
(13)	Alternative	(13)	U.S. application Serial Number	13/583,107					
	Identification for filed applications	filed	October 17, 2012	**************************************		and the second s			
claims reexam Patents full rigi and agr	olication or continuation or ignee in every way possible. 3) Each undersigned agre or provisions of the Internat. 4) Each undersigned agre ination a grant of a valid Ur. 5) Each undersigned author the United States resulting to convey the entire interrees that this assignment is to. 6) Each undersigned here cation that may be necessartion of this document.	division the in obtainities to executional Convices to perform the convices and the convices the convices and the convices an	ote all papers necessary in connected, or any patent or refsue aring evidence and going forward at all papers and documents any ention for Protection of Industrian all affirmative acts (which miss patent to the Assignce requests the Commissioner of the dayliestion(s) to the said Assigned, and that he has not exclude a firm of OLIFF & BERRIDGE, ble in order to comply with the accurate and entitled on the date(s) of the condersigned on the date(s) of	plication based the with such interfered perform any activial Property or similarly be necessary to ne. U.S. Patent and gnee as Assignee cuted, and will no ssigns and legal replicate power to ules of the United	ereon, for the invention, and noe, which may be necessary in citar agreements, obtain, maintain or confirm. Trademark Office to issue a of the entire interest, and co recepte, any agreements in presentatives, insert on this assignment an States Patent and Trademark	to cooperate with onnection with by reissue or my and all Letters wenants that he has conflict herewith,			
Date:			Inventor Signature	•	A	(SEAL)			
Date	9 Odder,	2012	Inventor Signature	IAN JOHN SHA	WIND THE REPORT OF THE PERSON	(SEAL)			
Date			Inventor Signature	The state of the s		(SEAL)			
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neither Date	This assignment should protect the protect of the p	fore at leas	e signed before: (a) a Notary Pul st two witnesses who also sign h Witness	olic if within the Leere:	<i>f</i>	siside the U.S.A. If			
Date	1/10/12	······································	Witness _	1		managanahahahanananananananananananananan			

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