Express Mail Label No.: 1	EL479512778US					
- FORM PTO-1595 1-31-92		4-2000	<u>RCA 89,964</u> DEPARTMENT OF COMM at and Trademark Office			
			ET	<u>jc658</u> 09/		
To the Honorable Assistant Commissioner	295926	suments or copy thereof.	suments or copy thereof.			
 Name of conveying party(ies): Maxim B. Belotserkovsky, and Louis Robert Litwin, Jr. 		J 2. Name and addr	ess of receiving party(ies): DN LICENSING S.A			
Additional name(s) of Yes conveying party(ies) attached:	2/22/10	9	5 Quai A. Le Gallo 2648 Boulogne Cedex RANCE			
-	rger Inge of Name	City:	State:	Zip:		
Execution Date: February 15, 2000 4. Application number(s) or patent number		Additional name(s)) & address(es) attached?	Yes No X		
If this document is being filed together A. Patent Application No.(s) 09/51118.5 Additional num	with a new application, the exec	B. Patent No.(s)	ication is: February 15, 2000			
 Name and address of party to whom co concerning document should be mailed Name: JOSEPH S. TRIPOL 	rrespondence J	6. Total number of	f applications and patents involve	əd:1		
Internal Address: Thomson multime Patent Operations	7. Total Fee (37 CFR 3.41): <u>\$40.00</u> Enclosed Authorized to be charged to deposit account 8. Deposit account number:					
Street Address: P.O. Box 5312						
City: PRINCETON State: NEW JERS	EY Zip :08543-5312	07-0832				
		OT USE THIS SPACE	E			
 9. Statement and signature. To the best of my knowledge and belief, t copy of the original document. Vincent E. Duffy Name of Person Signing 	he foregoing information is true	and correct and any a	ttached copy is a true February 22, 2000 Date			
Registration No. 39,964		0	Date			
	cluding cover sheet, attachment	ts, and document:	2			
OMB No. 0651-0011 (exp. 4/94)		DETACH THIS PORT	PION			
	DO NOT	DETACH THIS FUR				
Mail documents to be recorded with re	equired cover sheet information	to:				
03/23/2000 JSHABAZZ 00000130 070832	9511185 B	Commissioner for Pa lox Assignments				
01 FC:581 40.00 CH	Wash	nington, D.C. 20231				
Public burden reporting for this sample of	over sheet is estimated to average	ge about 30 minutes p	er document to be recorded.			
including time for reviewing the document	t and gathering the data needed	l, and completing and	reviewing the sample cover			

Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

> PATENT REEL: 010625 FRAME: 0629

ASSIGNMENT AND AGREEMENT IN AN APPLICATION FOR LETTERS PATENT OF THE UNITED STATES OF AMERICA

Detribution of the second seco	I hereby declare that I am the sole ir	nventor (if only one inventor i	is named b	pelow) or one of	2	joint inventors		
Section of a non-paper control to Letter Potent of the United Strate of America field on	(if plural inventors are named below) of the inventions relating to		REDUC	CED COMPLEXITY FFT WINE	OW SYNCH	ONIZATION FOR AN		
Adjamment/Aggement/ Cit fort Exertised, I here by fills date and exter further to TBMMON UCENSRS 3.4, a cooperation duly argunded differences and the sade investment and at the difference of the sade investment. Cit fort Sade Sade Sade Sade Sade Sade Sade Sade	ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING SYSTEM							
For valuable considerion received. Interest, well, assign and transfer to MUMSON LICENSING 3 , a compaction due signable and early and the low of the State of Annual Constraints of a days are well well from the constraints of the state of the sta	or, if not identified				n date with r			
and exting under the lows of the Stelle of Delevate. United States of America, its accessors, and asigns my entite dynamics, and all the light and privilegit under any and Lifeties Patriel the method. The second of the state of weeking, and all the light and privilegit under any and Lifeties Patriel that more all registric extensions and any entities of a light of extension of the second one of the state	Assignment/Agreement.	Lhereby sell, assian and tra	insfer to TU			a duly organizad		
Is green that, when requested, i will, will out change to add contraction but of its expenses, sign all popers, total or its provide the second	and existing under the laws of the State of D for all countries in and to said inventions, and	elaware, United States of An d all the rights and privileges	nerica, its s	successors, and assigns m	y entire right	, title and interest,		
Interesting any and all countries and for welling tille thereto is sold composition. Its successors, askips or noninees. In September 14 will communications and when many legal proceedings, and generally do eventing possible to adjust docuporation. In Section 2015 and an experimentation of the subscription of the procession of the procession of the subscription of	1 agree that, when requested. I will,	without charge to said corp	ooration bi	ut at its expense, sign all	papers, take	e all rightful oaths, make	all rightfu	
equisited by solid cotocordian and a file supprise will test if in any legal proceedings, and generally do everything possible to aid soil corporation. The accession, solid is and corporation if its succession, sarging or nonlines, to make application for solid workform if every and elecurities the solid corporation if its succession, sarging or nonlines, to make application for solid workform if everything that is and corporation if its succession, sarging or nonlines, to make application for solid workform if everything that is and corporation if its succession, sarging or nonlines, to make application for solid workform if everything that is and corporation within may benered and how provided by the information accessing the method formal equivalent of any assignment, consent to file or the evolution or instances assign are many benered and new country for any particular for solid work and to invoke the new to the test of a solid work and the invoke and color solid work and the solid corporation without the said corporation without the and corporation or instances assign are marked to the solid corporation or instances and the solid corporation without the solid corporation or instances assign and equivalent of the solid corporation or instances assign and equivalent of the particular for any assignment, connect to the solid corporation or instances assign are marked assign and equivalent of the particular for any assignment. Connect the solid corporation or instances assign are explored to the solid corporation or instances assign and equivalent of the particular form and the solid corporation or instances assign and equivalent of the particular form and corporation or instances assign are explored to the solid corporation or instances assign are explored to the particular form and corporation or instances assign are explored to the particular form and corporation or instances and the particular form and corporation or instances assign are explored to the form and corporatin and corporation and corporation	inventions in any and all countries and for ve	sting title thereto in said cor	poration, it	ts successors, assigns or no	ominees.	,	on for saic	
Subconstructions Signed and length representatives on nominees, to achieve proper protocol on for patient of the form of protocol form of the form of the form of protocol form of the form of protocol form of the form of the form of protocol form of the form of protocol form of the form of the form of protocol form of the form of the form of protocol form of the form of the form of protocol form of the form of protocol form of the form of protocol form of the form of t	I agree that I will communicate to so requested by said corporation and at its exp	id corporation or its represent tense will testify in any legal a	ntatives ar	ny facts known to me resp as, and generally do eve	ecting said i wthing possi	inventions and when		
Inventiors In this of their own norme, or in my/out nome, in any and all counties and to invoke and daim for any application for patient or their or interaction of a daim store and application for the Protection of industry interaction of the State of patient or their application for a significant or the interaction of industry data there is and to invoke and additionation for the Protection of industry data there is an additional adjustry of the patient of the significant or interaction of industry data there is a source source is a substituted for it, and to invoke and adjustry of the patient of the significant or interaction of industry interaction of the significant or interaction of industry interactions and inventors. and interaction and industry interaction of adjustry interaction of adjustry interaction of the significant or interaction of industry interactions and inventors. Additional converted on the significant or interaction of industry interactions and inventors. Additional converted on the significant or interaction of adjustry i	its successors, assigns and legal representativ	ves or nominees, to obtain o	r enforce p	proper protection for said	inventions in	any and all countries.		
Property, as an ended, at by any convention which may hencefarth be substituted for it, and to invoke and claim such right of any asignment shall be deemed a full legal and formal equivalent of any asignment, consent to the or like asignment in any be required in any occurrent which may be required to the material increases. asign: legal requirementatives, and many particular to any asignment and the part of the safe occurrent which may be required as the regist of the safe occurrent which may be required as a sign legal requirementative. The asign legal requirementative and many particular to any occurrent which may be required as a many occurrent which may be required as a maximum and the safe of the safe occurrent as a many occurrent which may be required as a maximum and the safe of the safe occurrent which may be required as a many occurrent to any occurrent which may be required as a many occurrent which may be required as any occurrent which may be required as a many occurrent	inventions in its or their own name, or in my	/our name, in any and all c	countries a	ind to invoke and claim :	for any appl	lication for patent or oth	ner form o	
Interest consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to the or like of the dight of the	protection for said inventions filed by it or th Property, as amended, or by any convention	em, the benefit of the right on which may benceforth b	of priority be_substitut	provided by the internati ted for it, and to invoke	onal Conver	ntion for the Protection c	of Industria	
document which may be required in any country for any purpose and more particularly in proof of the tight of the stad corporation or its successes, assign remaineds to apply for potent or other processes assign. Isgal develops, and contained and prevention which the best of mit year or prevention for a successes, assign I covernant for the Protection of industrial Property, as anter-ead of by any convention which the best of my knowledge the right I covernant with Hondown ULESMING S.A. Its successor, assign legal depresentatives, and nominees, but the best of my knowledge the right Isganed at Indianapolis, Indiana Date <u>22//5/00</u> Maxim B. Belotserkovsky (Signature in Full. No initials) Post office Address <u>9108 Bryant Lane 3A</u> , Indianapalis, Indiana 46250 Ist Witness <u>106 address 9108 Bryant Lane 3A</u> , Indianapalis, Indiana 46250 Ist Witness <u>106 address 9108 Bryant Lane 3A</u> , Indianapalis, Indiana 46250 (type or Pint) 2ndWitness <u>126 Pinto Pinto</u> Signature in Full. No Initials) Signed at Indianapolis, Indiana Date <u>2-15-00</u> Inventor (?) Louis Robert Litwin, Jr. (Signature in Full. No Initials) Post office Address <u>126 Pineview Drive #8</u> , Carmel, Indiana 46032. (type or Pint) Post office Address <u>126 Pineview Drive #8</u> , Carmel, Indiana 46032. Signature in Full. No Initials) Post office Address <u>126 Pineview Drive #8</u> , Carmel, Indiana 46032. Signature in Full. No Initials) Post office Address <u>126 Pineview Drive #8</u> , Carmel, Indiana 46032. Signature in Full. No Initials) Post office Address <u>126 Pineview Drive #8</u> , Carmel, Indiana 46032. Signature in Full. No Initials) Post office Address <u>126 Pineview Drive #8</u> , Carmel, Indiana 46032. Signature in Full. No Initials) Post office Address <u>126 Pineview Drive #8</u> , Carmel, Indiana 46032. Signature in Full. No Initials) Post office Address <u>126 Pineview Drive #8</u> , Carmel, Indiana 46032. Signature in Full. No Initials) Post office Address <u>126 Pineview Drive #8</u> , Carmel, Indiana 46032. Signature in Full. No Initials) Post Office Addres	written or oral authorization from me.							
nternational Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be set of mix howledge the right I convention with theometine in the best of mix howledge the right is and interest herein conveyed by me are free and clear of any encumbrance, and that have full right to convery the same as herein expressed is gried at Indianapolis, Indiana Date 22/15/00 Maxim B. Belotserkovsky Gype or Print) Post Office Address 9108 Bryant Lane 3A, Indianapalis, Indiana 46250 Its Witness Tahler Rich ac doon (type or Print) Signature in Full. No Initials) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032 Its Witness Office Address 126 Pineview Drive #8, Carmel, Indiana 46032 Its Witness Office Address 126 Pineview Drive #8, Carmel, Indiana 46032 Its Witness Office Address 126 Pineview Drive #8, Carmel, Indiana 46032 Its Witness Office Address 126 Pineview Drive #8, Carmel, Indiana 46032 Its Witness Office Address 126 Pineview Drive #8, Carmel, Indiana 46032 Its Witness Office Address 126 Pineview Drive #8, Carmel, Indiana 46032 Its Witness Office Address 126 Pineview Drive #8, Carmel, Indiana 46032 Its Witness Other Composition Indiana Date Indiana 46032 Its Witness Other Composition Indiana Date Indiana 46032 Its Witness Other Address 126 Pineview Drive #8, Carmel, Indiana 46032 Its Witness Other Composition Indiana Date Indiana 46032 Its Witness Other Composition Indiana Date Indiana 46032 Its Witness Other Composition Indiana Date Indiana 46032 Its Witness Other Address Indiana Date Indiana 46032 Its Witness Other Address Indiana Indi	document which may be required in any co	untry for any purpose and m	nore partic	ularly in proof of the right	of the said c	orporation or its success	ors, assigns	
I covenant with HoMSON LICENSING S.A., Its successor, asigns, legal representatives, and hank that to the best of my knowledge the input and interest herein expressed. Signed at Indianapolis, Indiana Date $22/15/00$ Inventor (1) Maxim B. Belotserkovsky Mult (1m, b), But docume to herein expressed. Iventor (1) Maxim B. Belotserkovsky Mult (1m, b), But docume to herein expressed. Iventor (1) Maxim B. Belotserkovsky (Signature in Full. No initials.) Post Office Address 9108 Bryant Lane 3A, Indianapolis, Indiana 46250 Ist Witness Tahn Rich ard San (Signature in Full. No initials.) Signed at Indianapolis, Indiana Date $2 - 15 - 60$ Inventor (2) Louis Robert Litwin, Jr. (Signature in Full. No initials.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Char Rich ardSan (Signature in Full. No initials.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Char Rich ardSan (Signature in Full. No initials.) Signed at Date Char Rich ardSan (Type or Pint) (Signature in Full. No initials.) Post Office Address	or nominees to apply for patent or other pro-	oper protection for said inve	entions, an	d to claim the aforesaid	benefits of t	he right of priority provid	ded by the	
Signed at Indianapolis, Indiana Date 22/15/00 Inventor (1) Maxim B, Belotserkovsky MW, IM, B, Buddserkovsky Post Office Address 9108 Bryant Lane 3A, Indianapolis, Indiana 46250 Ist Witness Indianapolis, Indiana Cignature in Full. No initiols.) Post Office Address 9108 Bryant Lane 3A, Indianapolis, Indiana 46250 Ist Witness Indianapolis, Indiana Cignature in Full. No initiols.) Post Office Address 100 W/1S Cignature in Full. No initiols.) Signed at Indianapolis, Indiana Date 2 - 15 - 60 Inventor (2) Louis Robert Litwin, Jr. Cignature in Full. No initiols.) Cignature in Full. No initiols.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Office Address 126 Pineview Drive #8, Carmel, Indiana 5500000000000000000000000000000000000	I covenant with THOMSON LICENSING	3 S.A., its successors , assigns	s, legal rep	resentatives, and nomine	es, that to t	he best of my knowledge	e the right.	
Inventor (1) Maxim B. Belotserkovsky MULCIN D. Butch 2010/05/4 Inventor (1) Maxim B. Belotserkovsky MULCIN D. Butch 2010/05/4 Post Office Address 9108 Bryant Lane 3A, Indianapalis, Indiana 46250 Ist Witness Indianapolis, Indiana Office Address 9108 Bryant Lane 3A, Indianapalis, Indiana 2ndWitness Indianapolis, Indiana Office Address 9108 Bryant Lane 3A, Indianapalis, Indiana 2ndWitness Indianapolis, Indiana Office Address Office Address Signed at Indianapolis, Indiana Date 2 - 1 S - CO Inventor (2) Louis Robert Litwin, Jr. (Signature in Full. No Initials) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Indianapolis, Indiana Date Ope or Pint) (Signature in Full. No Initials) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Chart Cardson Otype or Pint) Operature in Full. No Initials) Post Office Address Date Inventor (3) Otype or Pint) Regretation Gignature in Full. No Initials Post Office Address Indi	fitle and interest herein conveyed by me are	free and clear of any encu	mbrance,	and that I have full right t	o convey the	e same as herein express	ied. T	
Interest Derived inverses 9108 Bryant Lane 3A. Indianapalis. Indiana 46250 Post Office Address 9108 Bryant Lane 3A. Indianapalis. Indiana 46250 Ist Witness Tah Richardson (Signature In Full. No Initials.) Office Address 9108 Bryant Lane 3A. Indianapalis. Indiana 46250 Ist Witness Tah Richardson (Signature In Full. No Initials.) Operation Operation (Signature In Full. No Initials.) Signed at Indianapolis, Indiana Date 2 - 15 - 00 Inventor (2) Louis Robert Litwin, Jr. (Signature In Full. No Initials.) Post Office Address 126 Pineview Drive #8. Carmel, Indiana 46032. Ist Witness Tah Richardson Signature In Full. No Initials.) Orype or Print) Cignature In Full. No Initials.) Signature In Full. No Initials.) (Signature In Full. No Initials.) Post Office Address Date (Signature In Full. No Initials.) Signature In Full. No Initials.) (Signature In Full. No Initials.) Post Office Address (Signature In Full. No Initials.) Inventor (3) (Type or Print) (Signature In Full. No Initials.) Corype or Print) (Signature In	Signed at Indianapolis, India	ana	Date _	<u> </u>				
Interest Derived inverses 9108 Bryant Lane 3A. Indianapalis. Indiana 46250 Post Office Address 9108 Bryant Lane 3A. Indianapalis. Indiana 46250 Ist Witness Tah Richardson (Signature In Full. No Initials.) Office Address 9108 Bryant Lane 3A. Indianapalis. Indiana 46250 Ist Witness Tah Richardson (Signature In Full. No Initials.) Operation Operation (Signature In Full. No Initials.) Signed at Indianapolis, Indiana Date 2 - 15 - 00 Inventor (2) Louis Robert Litwin, Jr. (Signature In Full. No Initials.) Post Office Address 126 Pineview Drive #8. Carmel, Indiana 46032. Ist Witness Tah Richardson Signature In Full. No Initials.) Orype or Print) Cignature In Full. No Initials.) Signature In Full. No Initials.) (Signature In Full. No Initials.) Post Office Address Date (Signature In Full. No Initials.) Signature In Full. No Initials.) (Signature In Full. No Initials.) Post Office Address (Signature In Full. No Initials.) Inventor (3) (Type or Print) (Signature In Full. No Initials.) Corype or Print) (Signature In				Marcin h	Polot	ON & MIRY,		
Post Office Address 9108 Bryant Lane 3A, Indianapalis, Indiana 46250 1st Witness Tothe Air Chard Son Signature in Full. No Initials) 2ndWitness Ore 7 Pinnt) Signature in Full. No Initials) 2ndWitness Ore 7 Pinnt) Signature in Full. No Initials) Signed at Indianapolis, Indiana Date 2 - 15 - 60 Inventor (2) Louis Robert Litwin, Jr. (Signature in Full. No Initials.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Ohn Richard Son Signature in Full. No Initials.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Ohn Richard Son Signature in Full. No Initials.) Post Office Address Date Signature in Full. No Initials.) Signed at Date Date Inventor (3) (Signature in Full. No Initials.) Signature in Full. No Initials.) Post Office Address (Signature in Full. No Initials.) Signature in Full. No Initials.) Inventor (3) (Signature in Full. No Initials.) Signature in Full. No Initials.) Post Office Address (Signature in Full. No Initials.) Signature in Full. No Initials.)		serkovsky	-	(Signature in Full No. in		<u>ximisu</u>	-	
Ist Witness Ioho Richardson (type or Plint) (Signature in Full. No Initials) Signed at Indianapolis, Indiana Inventor (2) Louis Robert Litwin, Jr. (type or Plint) (Signature in Full. No Initials) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Indianapolis, Indiana Oute Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Oute Address (type or Plint) (Signature in Full. No Initials.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. Ist Witness Oute Address (type or Plint) (Signature in Full. No Initials.) Signed at Date Inventor (3) Oute Address (type or Plint) (Signature in Full. No Initials.) Post Office Address Ist Witness Ist Witness (type or Plint) (type or Plint) (Signature in Full. No Initials.) Post Office Address Ist Witness (type or Plint) (Signature in Full. No Initials.) Post Office Address (Signature in Full. No Initials.) Inventor (3) (initiality.	O		
Citype or Print) Signature in Full. No Initials.) 2ndWitness Citype or Print) Signed at Indianapolis, Indiana Inventor (2) Louis Robert Litwin, Jr. (Type or Print) Signature in Full. No Initials.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana Post Office Address 126 Pineview Drive #8, Carmel, Indiana Option of Print) Citype or Print) Signed at Option Print) Option of Print) Citype or Print) Signed at Date Option of Print) Citype or Print) Signed at Date Option of Print) Citype or Print) Signed at Date Inventor (3) Option of Print) Option of Print) Signature in Full. No Initials.) Post Office Address Date Ist Witness Option of Print) Option of Print) Signature in Full. No Initials.) Post Office Address Signature in Full. No Initials.) Ist Witness Option of Print) Othe or Print) Othe or Printials.) Othe or Print) Othe or Printials.)	Post Office Address 910)8 Bryant Lane 3A, Ir	ndianap	olis, Indiana 462	50			
Citype or Print) Signature in Full. No Initials.) 2ndWitness Citype or Print) Signed at Indianapolis, Indiana Inventor (2) Louis Robert Litwin, Jr. (Type or Print) Signature in Full. No Initials.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana Post Office Address 126 Pineview Drive #8, Carmel, Indiana Option of Print) Citype or Print) Signed at Option Print) Option of Print) Citype or Print) Signed at Date Option of Print) Citype or Print) Signed at Date Option of Print) Citype or Print) Signed at Date Inventor (3) Option of Print) Option of Print) Signature in Full. No Initials.) Post Office Address Date Ist Witness Option of Print) Option of Print) Signature in Full. No Initials.) Post Office Address Signature in Full. No Initials.) Ist Witness Option of Print) Othe or Print) Othe or Printials.) Othe or Print) Othe or Printials.)	Ist Witness Tako Bichaco	dean	(Value 1	els,	7		
Signed at			-	(Signature in Full. No ir	nitials.)			
(type or Print) (Signature in Full. No initials) Signed at	2ndWitness (Oret Rou	ins		(n) ie Ali	1 les	6		
Inventor (2) Louis Robert Litwin, Jr. (Type or Print) (Signature in Full. No initials.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. 1st Witness Jahn Richardson. (Type or Print) (Signature in Full. No initials.) 2ndWitness Chardson. (Type or Print) (Signature in Full. No initials.) 2ndWitness Chardson. (Type or Print) (Signature in Full. No initials.) Signed at Date Inventor (3) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) Ist Witness (Type or Print) (Signature in Full. No initials.) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) Ist Witness (Signature in Full. No initials.) 2ndWitness (Signature in Full. No initials.)	(Type or Print)			(Signature in Full. No ir	nitials.)	<u> </u>		
Inventor (2) Louis Robert Litwin, Jr. (Type or Print) (Signature in Full. No initials.) Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. 1st Witness Jahn Richardson. (Type or Print) (Signature in Full. No initials.) 2ndWitness Chardson. (Type or Print) (Signature in Full. No initials.) 2ndWitness Chardson. (Type or Print) (Signature in Full. No initials.) Signed at Date Inventor (3) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) Ist Witness (Type or Print) (Signature in Full. No initials.) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) Ist Witness (Signature in Full. No initials.) 2ndWitness (Signature in Full. No initials.)	Signed at Indiananolis Indi	ana	Date	2-15-	00			
Image: Construction of the second			_		ha Dar	- Rhul a	-	
Post Office Address 126 Pineview Drive #8, Carmel, Indiana 46032. 1st Witness The Richardson (Type or Print) Grantse A. Downs Signed at Date Inventor (3) (Type or Print) (Type or Print) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) Inventor (3) (Type or Print) (Type or Print) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) Ist Witness (Type or Print) (Signature in Full. No initials.) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) Interses (Type or Print) (Signature in Full. No initials.) (Signature in Full. No initials.)	Inventor (2) Louis Robert Lit	win, Jr.		Joah 1	uter	fluth /		
Ist Witness John Rictardson (Type or Print) (Interview bit verweit, et al. No initials.) 2ndWitness CMORISE A. Downs (Type or Print) (Signature in Full. No initials.) Signed at Date Inventor (3) (Type or Print) Post Office Address (Signature in Full. No initials.) 1st Witness (Type or Print) (Type or Print) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) 2ndWitness (Type or Print) (Signature in Full. No initials.) (Signature in Full. No initials.)	(Type or Print)		-	(Signature in Full. No ir	nitials.)	W		
Ist Witness John Rictardson (Type or Print) (Interview bit verweit, et al. No initials.) 2ndWitness CMORISE A. Downs (Type or Print) (Signature in Full. No initials.) Signed at Date Inventor (3) (Type or Print) Post Office Address (Signature in Full. No initials.) 1st Witness (Type or Print) (Type or Print) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) 2ndWitness (Type or Print) (Signature in Full. No initials.) (Signature in Full. No initials.)	Post Office Address 126 Pinoviow Drive #8 Carmel Indiana 46020							
Ist Witness Jan Old Claradon (Type or Print) (Inventor (3) Signed at Date Inventor (3) (Type or Print) Post Office Address (Signature in Full. No initials.) 1st Witness (Type or Print) (Type or Print) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) 2ndWitness (Type or Print) (Type or Print) (Signature in Full. No initials.)				, indiana 40032.	21		-	
Image: 2ndWitness Charisse A. Downs Contract A. Downs Signed at Date Inventor (3) (Type or Print) Post Office Address (Signature in Full. No initials.) 1st Witness (Type or Print) (Type or Print) (Signature in Full. No initials.) 2ndWitness (Type or Print) (Type or Print) (Signature in Full. No initials.) 2ndWitness (Type or Print) (Type or Print) (Signature in Full. No initials.)	1st Witness	asan	_	Jan 1	m	~~~~	-	
(Type or Print) (Signature in Full. No initials.) Signed at Date Inventor (3) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) 1st Witness (Type or Print) (Type or Print) (Signature in Full. No initials.) 2ndWitness (Signature in Full. No initials.)		ATTAINS				<u></u>		
Signed at Date Inventor (3) (Type or Print) (Type or Print) (Signature in Full. No initials.) Post Office Address (Signature in Full. No initials.) 1st Witness (Signature in Full. No initials.) 2ndWitness (Signature in Full. No initials.)		A. LOWIS	-			>	4	
Inventor (3) (Type or Print) (Signature in Full. No initials.) Post Office Address 1st Witness (Type or Print) (Signature in Full. No initials.) 2ndWitness (Type or Print) (Signature in Full. No initials.)							-	
(Type or Print) (Signature in Full. No initials.) Post Office Address	Signed at		Date					
(Type or Print) (Signature in Full. No initials.) Post Office Address			-				1	
Post Office Address 1st Witness (Type or Print) 2ndWitness (Type or Print) (Signature in Full. No initials.)			_				4	
1st Witness (Type or Print) (Signature in Full. No initials.) 2ndWitness (Type or Print) (Signature in Full. No initials.)	(Type or Print)			(Signature in Full. No ir	nitials.)			
(Type or Print) (Signature in Full. No initials.) 2ndWitness (Type or Print) (Type or Print) (Signature in Full. No initials.)	Post Office Address							
(Type or Print) (Signature in Full. No initials.) 2ndWitness (Type or Print) (Type or Print) (Signature in Full. No initials.)	list Witness						1	
2ndWitness (Type or Print) (Signature in Full, No initials.)			-	(Signature in Full. No ir	nitials.)	· · · · · · · · · · · · · · · · · · ·	-	
(Type or Print) (Signature in Full. No initials.)	2ndWitness				•			
After this Assignment has been recorded places PCTURN to: Potent Operations				(Signature in Full. No ii	nitials.)		-	
		After this Assignment has			Patant On a	rations		

THOMSON multimedia Licensing Inc. P.O. Box 5312 Two Independence Way Princeton, NJ 08543-5312

Pat Form 7/89

RECORDED: 02/22/2000

PATENT REEL: 010625 FRAME: 0630