Expires 06/30/99 OMB 0651-0027

04/10 01 FC 04-10-2000

U.S. Department of Commerce Patent and Trademark Office PATENT

101311527

1 W FEB 23 AM 10: 14 RECORDATION FORM COVER SHEET

.,,,	MANUE	PATENTS ON	LY		
TO: The Commissioner of	Patents and Trademarks	: Please record the a	attached original de	ocument(s) or	copy(ies).
Submission Type		Conveyance T	уре		
✓ New		✓ Assignment	Security	Agreement	
Resubmission (Non- Document ID#	-Recordation)	License	Change of	of Name	
Correction of PTO E	rror Frame #	Merger	Other		
Corrective Documer	nt	(For	U.S. Governi Use ONLY by U.S. Gove		
Reel #	Frame #		Departmental File		et File
Conveying Party(ies	s)	Mark if additio	nal names of convey	ring parties atta	ched Execution Date Month Day Year
Name (line 1) Clark, Jr.,	Lloyd D.				01142000
Name (line 2)					Execution Date
Name (line 1) Steiner, Jr.	, Joseph M.				Month Day Year 01142000
Name (line 2)					
Receiving Party			Mark if additional na	ames of receivin	g parties attached
Name (line 1) Schlumber	ger Technology Corporation				if document to be recorded is an assignment and the receiving party is not
Name (line 2) a Corporati	ion of Texas				domiciled in the United States, an appointment of a domestic
Address (line 1) 8311 North	FM 620 Road				representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2)					Assignment.,
Address (line 3) Austin		Texas USA		78726]
Domestic Represen	city tative Name and Ac	State/Count	ter for the first Receiv	Zip Code	
Name Pehr Jansse	on			-	
Address (line 1) Patent Dep		1.00			
Address (line 2) Schlumber	ger Austin Product Center				
Address (line 3) 8311 North	FM 620 Road, P.O. Box 20	0015			
Address (line 4) Austin, TX	78720-0015	44 (-344)			
/2000 TTON11 00000147 1905	97 09471659	FOR OFFICE USE ON	ILY		

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington,
D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB

Mail documents to be recorded with required cover sheet(s) information to:

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

PATENT

REEL: 010660 FRAME: 0379

FORM PTO-1619B Expires 06/30/99 OMB 0651-0027	Page 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Correspondent Name and Address	Area Code and Telephone Number	512-331-3748
Name Pehr Jansson		
Address (line 1) Schlumberger Austin Product Center	PT .	
Address (line 2) 8311 North FM 620 Road		
Address (line 3) P.O. Box 200015		
Address (line 4) Austin, TX 78720-0015		
Pages Enter the total number of pagincluding any attachments.	ges of the attached conveyance docum	ent # 8 + CERT.
Application Number(s) or Patent Num	mber(s) Mark if	additional numbers attached
Enter either the Patent Application Number or the		
Patent Application Number(s)	Paten	nt Number(s)
09471659		
If this document is being filed together with a new Pat was	ent Application, enter the date the patent applica	Month Day Year
Patent Cooperation Treaty (PCT)		
Enter PCT application number	PCT PCT	PCT
only if a U.S. Application Number has not been assigned.	PCT PCT	PCT
Number of Properties	number of properties involved. #	1
Fee Amount Fee Amount	t for Properties Listed (37 CFR 3.41): \$	40.00
Method of Payment: Enclo		
Deposit Account		
(Enter for payment by deposit account or if ad	iditional fees can be charged to the Deposit Account Number: #	19-0597
	Authorization to charge additional fees:	Yes No
Statement and Signature		
	elief, the foregoing information is true a	
• •	original document. Charges to deposit	account are authorized, as
indicated herein.	1./. /0.	2/17/200
Pehr B. Jansson	Signature	Date
Name of Person Signing	→ Signature	Date

PATENT

FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office PATENT

Conveying I	Party(ies) Conveying Parties	✓ Mark if addition	nal names of con	veying parties atta	ched Execution Date Month Day Year
Name (line 1)	Richardson, Suzanne D.				01/14/2000
Name (line 2)					Execution Date Month Day Year
Name (line 1)	Hernandez-Marti, Ramon				01/14/2000
Name (line 2)					Execution Date Month Day Year
Name (line 1)	Mayhugh, Terry L.	A hard stalled			01/13/2000
Name (line 2)					
Receiving P	arty		Mark if additiona	I names of receiving	ng parties attached
Name (line 1)					If document to be recorded is an assignment and the receiving party is not
Name (line 2)					domicited in the United States, an appointment of a domestic representative is attached.
Address (line 1)					(Designation must be a separate document from
Address (line 2)					Assignment.)
Address (line 3)	City	State/Countr	у	Zip Code	
Name (line 1)					If document to be recorded is an assignment and the receiving party is not
Name (line 2)					domiciled in the United States, an appointment of a domestic
Address (line 1)					representative is attached. (Designation must be a separate document from Assignment.)
Address (line 2)					,
Address (line 3)	City	State/Countri	ry	Zip Code	
Application	Number(s) or Patent Numb	er(s)	Ma	ark if additional nu	mbers attached
	he Patent Application Number or the Pate		لــــــا		
Pa	tent Application Number(s)		P	atent Number(s	3)

PATENT

REEL: 010660 FRAME: 0381

FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office PATENT

Conveying l		Mark if additional names of co	nveying parties attached
Enter additional	Conveying Parties		Execution Date Month Day Year
Name (line 1)	Bombay, Bart J.	·····	Month Day Year 01/14/2000
Name (line 2)			Execution Date Month Day Year
Name (line 1)	Booker, John A.		01/12/2000
Name (line 2)			Execution Date Month Day Year
Name (line 1)	Martinez, Gilbert R.		01/14/2000
Name (line 2)			
Receiving P	arty	Mark if addition	al names of receiving parties attached
Name (line 1)			If document to be recorded is an assignment and the
Name (line 2)			receiving party is not domiciled in the United States, an appointment of a domestic
Address (line 1)			representative is attached. (Designation must be a separate document from
Address (line 2)			Assignment.)
Address (line 3)			
	City	State/Country	Zip Code
Name (line 1)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	If document to be recorded is an assignment and the receiving party is not
Name (line 2)			domiciled in the United States, an appointment of a domestic
Address (line 1)			representative is attached. (Designation must be a separate document from
Address (line 2)			Assignment.)
Address (line 3)	City	State/Country	Zip Code
	Oity	Old Wood Na	
	Number(s) or Patent Number(s)		ark if additional numbers attached
	he Patent Application Number or the Patent Nu		
Pa	tent Application Number(s)		Patent Number(s)

PATENT

REEL: 010660 FRAME: 0382

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to SCHLUMBERGER TECHNOLOGY CORPORATION (the "Assignee"), a corporation of Texas having a place of business at 8311 North FM 620 Road, Austin, Texas 78726 the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 09/471,659, which has been filed on December 24, 1999 and is entitled METHOD AND APPARATUS FOR TRANSMISSION OF WELL-BORE DATA ON MULTIPLE CARRIER FREQUENCIES, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee. the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature)	Lloyd D. E	lark, Gr.	Date January 14, 2000	
Name:	U Lloyd D.	Clark, fr.	•	
STATE OF	TEXAS)		
COUNTY OF	TRAVIS) ss. _)		

2006 TW BEFORE ME, the undersigned authority, on this 14th day of Control personally appeared Lloyd D. Clark, Jr., known to me (or ploved to through TYDL 1218 765, 6x0.4/2/03) to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

MARY L THOMPSON NOTARY PUBLIC State of Texas Comm. Exp. 05-29-2002 [SEAL]

Motary of Consular Officer

(Signature) Name:	Joseph M.	Steiner, Jr.	Date 147	JAN 2000	
STATE OF	TEXAS TRAVIS	.)) ss.			
personally a FYDL#/43505 instrument an	ppeared Joesph 44 EYR 9/62)to 1d acknowledged and considerati MARY L 1 NOTAR	M. Steiner, Jr be the person wi to me that he ex on therein expre HOMPSON PUBLIC		cribed to the f	oregoing will for
[SEAL] (Signature)	Susance D.	Cicharlon Richardson		uang 14, 2000	
STATE OF	texas T rayis	.)) ss. _)			
oersonally a YDL[®]07938/1,E instrument ar	ppeared Suzanne XP.//28/02) to	e D. Richardsor be the person w to me that she	, on this 1444 da n, known to me hose name is subs executed the sam expressed.	(or p f oved to	oregoing
[SEAL]	NOTARY State o	HOMPSON PUBLIC Texas 05-29-2002		A. Jhompson onsular Officer	
(Signature) Name:	Ramodier	handez-Marti	Date Ja v	wary 14, £	9000
STATE OF	TEXAS TRAVI'S)) ss.			
personally a [X DL*/52749 instrument ar	appeared Ramon 34.EXF 7/12/02) to	Hernandez-Marti be the person w to me that he ex	, on this /4/L da lanewn to me hose name is subs kecuted the same of essed.	cribed to the f	∢through oregoing
[SEAL]	NOTAR State	THOMPSON Y PUBLIC of Texas 5.05-29-2002	Mary of C	2. Thompson Consular Officer	

-2-

	(Signature)_ Name:	Luy II.	Mayhugh	Date 13Jan	100
	STATE OF	texas Travis) ss.		プルフ
	personally	appeared Terry	L. Mayhugh, kn be the person whos	e name is subscril	f 2000, proved to through bed to the foregoing is own free will for
9-6		MARY L THO NOTARY P State of T Corren. Exp. 05	DMPSON SUBLIC Sexas	Many or Consu	L. Thompson ular Officer
	[SEAL]		·······		
	(Signature)_ Name:	Bart J.	Bombay	Date 14 7	W 2000
	STATE OF	TEXAS)		
	COUNTY OF	TRAVIS) ss.		
	personally TYDL 073666 instrument a	appeared Bart 1. ESP. 5/1.6/05) to b nd acknowledged to and consideration	J. Bombay, know be the person whose o me that he exect n therein express	m to me (or e name is subscributed the same of h	proved to through oed to the foregoing is own free will for
	[SEAL]	MARY L THOM NOTARY PUI State of Tex Comm. Exp. 05-2	BLIC { Kas {	Notary or John	d. Thomps ~ lar Officer
	(Signature) \(\subseteq \) Name:	John A.	Booker	Date_ 1-12-2	000
	STATE OF	texas T ravis)) ss.)		
	personally TXDL=13343 instrument as	appeared John NY7 EXP. IQ^IN/O I)to b	A. Booker, know be the person whos o me that he exec	e name is subscri ated the same of h	proved to methrough ped to the foregoing is own free will for
	[SEAL]	MARY L THO NOTARY P State of T Corrim. Exp. 08	UBLIC Texas	Mory S Notary for Consu	. Hompson plar Officer

PATENT REEL: 010660 FRAME: 0385

(Signature)	llet K. Mul	Date An
Name:	Gilbert R. Martinez	

Date fr. 14th, 2000

STATE OF	TEXAS)	
COUNTY OF	TRAVIS)	ss.

personally appeared Gilbert R. Martinez, known to me (or proved to methrough INDL"05038161 EXP. 7/m/00) to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

MARY L THOMPSON
NOTARY PUBLIC
State of Texas

Many J. Homps ~ Notary or Consular Officer

[SEAL]

Comm. Exp. 05-29-2002

SCHLUMBERGER AUSTIN PRODUCT CENTER 8311 North FM 620 Road Austin, Texas 78726

Sole/Joint, After Application Filed

RECORDED: 02/23/2000