ORM PTO-1595		U.S. Department of Commerce Patent and Trademark Office
To the Assistant Commissioner for Patents. Plea	101179301	
1. Name of conveying party(ies): Josef H. Schuermann Jurgen Anton Mayer MAN 2 4 1999	2. Name and Address of receiving Name: Texas Instrume Address: D-85350 Freisi Haggertystr, 1 GERMANY	ents Deutschland GmbH
TRADEMAS	Additional name(s) & address(es)	) attached?Yes _X_ No
3. Nature of Conveyance:     Assignment Merger     Security Agreement Change of N     Other	lame	
Execution Date: (Josef H Schuermann) 12/10/98; (J	lurgen Anton Mayer) 12/09/98.	
Docket No: TI-22925 A. Patent Application No.(s)	nn) 12/10/98; (Jurgen Anton Mayer) 12/09/98. L DATA SIGNAL FROM A TRANSMITTER TO A RECEN B. Patent No.(s)	VER
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Title: METHOD FOR THE TRANSFER OF A DIGITAL Docket No: TI-22925 A. Patent Application No.(s) S.N. Additional numbers attached? Yes> 5. Name and address of party to whom correspondence of document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478	DATA SIGNAL FROM A TRANSMITTER TO A RECEIN B. Patent No.(s)	attached? YesXNo
Title: METHOD FOR THE TRANSFER OF A DIGITAL Docket No: TI-22925 A. Patent Application No.(s) S.N. Additional numbers attached? Yes> 5. Name and address of party to whom correspondence of document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas Instruments Incorporated	DATA SIGNAL FROM A TRANSMITTER TO A RECEIN B. Patent No.(s)	attached? YesXNo
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Title: METHOD FOR THE TRANSFER OF A DIGITAL Docket No: TI-22925 A. Patent Application No.(s) S.N. Additional numbers attached? YesX 5. Name and address of party to whom correspondence of document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas Instruments Incorporated Address: P.O. Box 655474, MS 3999 City: Dallas	DATA SIGNAL FROM A TRANSMITTER TO A RECEIV         B. Patent No.(s)         C No         Additional numbers a concerning         6. Number of applications and pa	attached? YesX_ No tents involved:(1) thorized to be charged: \$40
Title: METHOD FOR THE TRANSFER OF A DIGITAL Docket No: TI-22925 A. Patent Application No.(s) S.N. Additional numbers attached? YesX 5. Name and address of party to whom correspondence of document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas Instruments Incorporated Address: P.O. Box 655474, MS 3999 City: Dallas	DATA SIGNAL FROM A TRANSMITTER TO A RECEIV         B. Patent No.(s)         (	attached? YesX No tents involved:(1) thorized to be charged: \$40
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PATENT REEL: 010245 FRAME: 0559

Tr.22225       100955408         To the Assistant Commissioner for Patents.	FORM PTO-1595		U.S. Department of Commerce Patent and Trademark Office
To the Assistant Commissioner for Patents.       2. Name and Address of receiving party(ies):         Josef H. Schuermann Jurgen Anton Mayer       Image: State in the imag	TI-22925	100955408	
Josef H. Schuermann         Jurgen Anton Meyer	To the Assistant Commissioner for Patents.		
Jurgen Anton Mayer       Address: P.O. Box 655474, MS 3999         City:       Datas         State:       TX         Zip: 75265         Address: P.O. Box 655474, MS 3999         City:       Datas         State:       TX         Zip: 75265         Address: P.O. Box 655474, MS 3999         City:       Datas         State:       TX         Zip: 75265         Address: P.O. Box 655474, MS 3999         City:       Datas         Scurity Agreement       Change of Name        Other	1. Name of conveying party(ies):	2. Name and Address of re	eceiving party(ies):
Address       P. O. Do. Converying States         S. Nature of Conveyance:	/0	Name: TEXAS INSTR	UMENTS INCORPORATED
State:       TX       Zip: 75265         Additional name(s) & address(es) attached?Yes _X_No         3. Nature of Conveyance:	Jurgen Anton Mayer	Address: P.O. Box 6554	174, MS 3999
Additional name(s) & address(es) attached?Yes _X_NO         3. Nature of Conveyance:        X_AssignmentMerger        Security AgreementChange of Name        Other	T NAL )	City: Dallas	
3. Nature of Conveyance:	PER	State: TX	Zip: 75265
	ALL ST	Additional name(s) & addre	ss(es) attached? Yes _X_ No
Security AgreementChange of Name    Other Execution Date: (Josef H Schuermann) 12/10/98; (Jurgen Anton Mayer) 12/09/98. 4. Application number(s) or patent number(s). Execution date of the application: (Josef H. Schuermann) 12/10/98; (Jurgen Anton Mayer) 12/09/98. Title:: METHOD FOR THE TRANSFER OF A DIGITAL DATA SIGNAL FROM A TRANSMITTER TO A RECEIVER Docket No: T122925 A. Patent Application No (s) S.N. Additional numbers attached?Yes _XNo Additional numbers attached?Yes _XNo S. Name and address of party to whom correspondence concerning document should be mailed. Name: W. Daniel Swayze, Jr., Reg. No. 34.478 Texas Instruments incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265 Py CNOM6 00000031 200668 09168559 40.00 CH	3. Nature of Conveyance:		
Other Execution Date: (Josef H Schuermann) 12/10/98; (Jurgen Anton Mayer) 12/09/98. 4. Application number(s) or patent number(s). Execution date of the application: (Josef H. Schuermann) 12/10/98; (Jurgen Anton Mayer) 12/09/98. Title: METHOD FOR THE TRANSFER OF A DIGITAL DATA SIGNAL FROM A TRANSMITTER TO A RECEIVER Docket No: Th-22925 A. Patent Application No.(s) S.N. Additional numbers attached?Yes _X_No Additional numbers attached?Yes _X_No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas instruments Incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265 9 CNDMM: 00000031 200668 09158559 40.00 CH	X_ AssignmentMerge	er	
Execution Date:       (Josef H Schuermann) 12/10/98; (Jurgen Anton Mayer) 12/09/98.         4. Application number(s) or patent number(s).         Execution date of the application:       (Josef H. Schuermann) 12/10/98; (Jurgen Anton Mayer) 12/09/98.         Title:       METHOD FOR THE TRANSFER OF A DIGITAL DATA SIGNAL FROM A TRANSMITTER TO A RECEIVER         Docket No:       TI-22925         A. Patent Application No.(s)       B. Patent No.(s)         S.N       Additional numbers attached?Yes _X_No         5. Name and address of party to whom correspondence concerning document should be mailed.       6. Number of applications and patents involved:(1)         Name:       W. Daniel Swayze, Jr., Reg. No. 34,478 Texas instruments incorporated       6. Number of applications and patents involved:(1)         Address:       P.O. Box 655474, MS 3999	Security Agreement Chang	ge of Name	
4. Application number(s) or patent number(s).         Execution date of the application: (Josef H. Schuermann) 12/10/98; (Jurgen Anton Mayer) 12/09/98. Title: METHOD FOR THE TRANSFER OF A DIGITAL DATA SIGNAL FROM A TRANSMITTER TO A RECEIVER Docket No: TI-22925         A. Patent Application No.(s)       B. Patent No.(s)         S.N.       Additional numbers attached?YesXNo         Additional numbers attached?YesXNo       Additional numbers attached?YesXNo         5. Name and address of party to whom correspondence concerning document should be mailed:       6. Number of applications and patents involved:(1)         Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas Instruments Incorporated       6. Number of applications and patents involved:(1)         Address: P.O. Box 655474, MS 3999       7. Amount of fee enclosed or authorized to be charged: \$40         8. Deposit Account No: 20-0668 (Attach duplicate copy if paying by deposit account)       8. Deposit Account No: 20-0668 (Attach duplicate copy if	Other		
Execution date of the application: (Josef H. Schuermann) 12/10/98; (Jurgen Anton Mayer) 12/09/98.         Title:       METHOD FOR THE TRANSFER OF A DIGITAL DATA SIGNAL FROM A TRANSMITTER TO A RECEIVER         Docket No: TI-22925       B. Patent Application No.(s)         A. Patent Application No.(s)       B. Patent No.(s)         S.N.       Additional numbers attached?Yes _X_No         Additional numbers attached?Yes _X_No       Additional numbers attached?Yes _X_No         5. Name and address of party to whom correspondence concerning document should be mailed: <ul> <li>Name: W. Daniel Swayze, Jr., Reg. No. 34.478</li> <li>Texas instruments Incorporated</li> <li>Address: P.O. Box 655474, MS 3999</li> <li>City: Dallas</li> <li>State: TX Zip: 75265</li> <li>Y CHOME: 00000031 200668 09168559</li> <li>A 0. 40 CH</li> <li>Exast Instrument No. 20-0668 (Attach duplicate copy if paying by deposit account)</li> </ul>	Execution Date: (Josef H Schuermann) 12/10	/98; (Jurgen Anton Mayer) 12/09/98.	
Title:       METHOD FOR THE TRANSFER OF A DIGITAL DATA SIGNAL FROM A TRANSMITTER TO A RECEIVER         Docket No:       T122825         A. Patent Application No.(s)       B. Patent No.(s)         S.N.       Additional numbers attached?Yes _X_No         Additional numbers attached?Yes _X_No       Additional numbers attached?Yes _X_No         5. Name and address of party to whom correspondence concerning document should be mailed:       6. Number of applications and patents involved:(1)         Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas Instruments Incorporated       6. Number of applications and patents involved:(1)         Address: P.O Box 655474, MS 3999       7. Amount of fee enclosed or authorized to be charged: \$40         State: TX       Zip: 75265         9 CHOME       00000031 200668       09168559         40.00 CH       8. Deposit Account No: 20-0668       (Attach duplicate copy if paying by deposit account)	4. Application number(s) or patent number(s).		
5. Name and address of party to whom correspondence concerning document should be mailed:       6. Number of applications and patents involved:(1)         Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas instruments incorporated       6. Number of applications and patents involved:(1)         Address: P.O. Box 655474, MS 3999       6. Number of applications and patents involved:(1)         City:       Dallas         State:       TX         Zip: 75265       7. Amount of fee enclosed or authorized to be charged: \$40         8. Deposit Account No: 20-0668 (Attach duplicate copy if paying by deposit account)			
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City:       Dallas         State:       TX       Zip: 75265         79       CHOANG       00000031       200668       09168559         40.00       CH       7. Amount of fee enclosed or authorized to be charged: \$40         8. Deposit Account No:       20-0668       (Attach duplicate copy if paying by deposit account)	A. Patent Application No.(s) S.N. Additional numbers attached?Ye	B. Patent No.(s)	ibers attached? YesXNo
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40.00 CH       8. Deposit Account No: 20-0668 (Attach duplicate copy if paying by deposit account)	A. Patent Application No.(s) S.N. Additional numbers attached?Ye 5. Name and address of party to whom correspond document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas instruments incorporated Address: P.O. Box 655474, MS 3999	B. Patent No.(s) esXNo Additional num dence concerning 6. Number of applications a	ibers attached? YesXNo
8. Deposit Account No. 20-066 (Attach duplicate copy in paying by deposit account)	A. Patent Application No.(s) S.N. Additional numbers attached?Ye 5. Name and address of party to whom correspond document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas Instruments Incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265	B. Patent No.(s) esX No Additional num dence concerning 6. Number of applications a	abers attached? YesX No
DO NOT USE THIS SPACE	A. Patent Application No.(s) S.N. Additional numbers attached?Ye 5. Name and address of party to whom correspond document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas instruments incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265	B. Patent No.(s) esX No Additional num dence concerning 6. Number of applications a	abers attached? YesX No
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	A. Patent Application No.(s) S.N. Additional numbers attached? Ye 5. Name and address of party to whom correspond document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas instruments Incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265 9 CHONIG 00000031 200668 09168559	B. Patent No.(s) es _X_No Additional num dence concerning 6. Number of applications a 3 7. Amount of fee enclosed 8. Deposit Account No: 20 paying by deposit account	bers attached?YesXNo and patents involved:(1) or authorized to be charged: \$40 <b>D-0668</b> (Attach duplicate copy if
	A. Patent Application No.(s) S.N. Additional numbers attached? Ye 5. Name and address of party to whom correspond document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,478 Texas instruments Incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265 9 CHONIG 00000031 200668 09168559	B. Patent No.(s) es _X_No Additional num dence concerning 6. Number of applications a 3 7. Amount of fee enclosed 8. Deposit Account No: 20 paying by deposit account	bers attached?YesXNo and patents involved:(1) or authorized to be charged: \$40
9. Statement and signature.	A. Patent Application No.(s) S.N. Additional numbers attached?Ye 5. Name and address of party to whom correspond document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,476 Texas Instruments Incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265 9 CHOMIG 00000031 200668 09168559 40.00 CH	B. Patent No.(s) es _X_No Additional num tence concerning 6. Number of applications a 7. Amount of fee enclosed 8. Deposit Account No: 20 paying by deposit accoun DO NOT USE THIS SPACE	bers attached? YesX No and patents involved:(1) or authorized to be charged: \$40 D-0668 (Attach duplicate copy if nt)
<ul> <li>9. Statement and signature.</li> <li>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</li> </ul>	A. Patent Application No.(s) S.N. Additional numbers attached?Ye 5. Name and address of party to whom correspond document should be mailed: Name: W. Daniel Swayze, Jr., Reg. No. 34,476 Texas Instruments Incorporated Address: P.O. Box 655474, MS 3999 City: Dallas State: TX Zip: 75265 9 CHOMIG 00000031 200668 09168559 40.00 CH	B. Patent No.(s) es _X_No Additional num tence concerning 6. Number of applications a 7. Amount of fee enclosed 8. Deposit Account No: 20 paying by deposit accoun DO NOT USE THIS SPACE	abers attached?YesXNo   and patents involved:(1) or authorized to be charged: \$40 <b>0-0668</b> (Attach duplicate copy if nt)
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PATENT REEL: 010245 FRAME: 0560

## ASSIGNMENT

WHEREAS, TEXAS INSTRUMENTS Deutschland GmbH (hereinafter TID), a German company of Haggertystrasse 1, 8050 Freising, Germany, as unlimited claimant under German Law relating to inventions of employees, owns all rights in an invention as set forth below including the right to apply for legal protection in Germany and all other countries, and has filed application for patent in Germany in respect of said invention, as identified below;

WHEREAS, the or each below named inventor (hereinafter INVENTOR) is the or an inventor of the said invention;

WHEREAS, TID, is desirous of acquiring the entire right, title and interest of **INVENTOR** in and to the said invention outside of Germany, and in and to patent applications filed and any Letters Patent that may issue thereon outside of Germany;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, by this Assignment, INVENTOR sells and assigns to the said TEXAS INSTRUMENTS Deutschland GmbH, its successors and assigns, the entire right, title and interest in and to the said invention in the U.S.A. and all other countries outside Germany; in and to the U.S. patent application as identified below and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, and extensions thereof; and the right to file applications and obtain patents in its own name in any said other country or group of countries, and to claim priority under the terms of the International Convention for the Protection of Industrial Property or any other relevant convention;

**INVENTOR** hereby authorizes and requests the Commissioner of Patents to issue U.S. patents for said invention, or U.S. patents resulting therefrom, insofar as the interest of **INVENTOR** is concerned, to the said **TEXAS INSTRUMENTS Deutschland GmbH**, as assignee of the entire right, title and interest.

**INVENTOR** further agrees to communicate to **TID** or to its successors, assigns and legal representatives, any facts known to **INVENTOR** respecting the said invention, and at the expense of **TID**, sign any and all patent applications, assignments, affidavits and other lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, testify in any legal or quasi-legal proceedings and generally do everything possible to aid said **TID**, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries outside Germany.

TID-22925 -1-

## METHOD FOR THE TRANSFER OF A DIGITAL DATA SIGNAL FROM A

TRANSMITTER TO A RECEIVER Title of Invention

Josef H. Schuermann and Jurgen Anton Mayer Inventors

German Patent Application No.: <u>19744428.8</u> Filed: <u>08 October 1997</u> U.S. Application Serial No.: <u>09/168,559</u> Filed: <u>08 October 1998</u>

**IN WITNESS WHEREOF** this Assignment has been executed as set forth below:

Executed for and on behalf of TEXAS INSTRUMENTS DEUTSCHLAND, GmbH Name: J. M. W. (Dieter Genth)

Title: Business Support Manager

Date: 12-07-1998

and by the INVENTORS:

Josef H. Schuermann

An der Muehle 6, 85416 Oberhummel, Germany

Date

Jurgen

Wiesenstrasse 9, 86438 Kissing, Germany

9.12-58

Date

TID-22925 -2-