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To the Honorable Commissioner or Face		I the attached	original documents	or copy thereof.					
Name of conveying party(ies):		Name and address of receiving party(ies)							
Richard Louis Zinser, Jr.		Name: Lockheed Martin Corporation							
Additional name(s) of conveying party(ies) attached?   Yes 2 No		Internal Address: Attn: Patent Counse							
3. Nature of conveyance: 10	.14.98			172					
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☐ Security Agreement ☐ Change of Name									
☐ Other		City: King of Pr	russia State: P	A ZIP: 19406					
Execution Date: 10/7/98		Additional name(s) & a	address(es) attached?	☐ Yes Mi No					
<ol> <li>Application number(s) or patent number(RDMM25969, "Combined Residual and If this document is being filed together w</li> <li>A. Patent Application No.(s)</li> </ol>	Analysis-By-Snyt	hesis Gain Estir							
	Additional numbers attache	ed? 🖸 Yes 🗗 No							
Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved:							
Name: W. H. Meise		7. Total fee (37 CFR 3.41)\$ 830.00  □ Enclosed  □ Authorized to be charged to deposit account							
Internal Address: Lockheed Martin Corporation 314B - Bldg. 28 P. O. Box 8048									
					Street Address:		8. Deposit account number: 07-0882		
					City: Philadelphia State: PA	ZIP: 19101	(Attach duplicate copy	of this page if paying b	y deposit account)
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Geoffrey H. Krauss  Name of Person Signing  Total number	Sign ber of pages including cover	nature sheet, attachments, and c	3	Date					
	W 3								

## ASSIGNMENT

WHEREAS, I the below-named inventor whose residence and post office are as stated below, have invented certain new and useful improvements in "Combined Residual and Analysis-By-Synthesis Gain Estimation For Predictive Coders"; and

WHEREAS, LOCKHEED MARTIN CORPORATION, a corporation of the State of Maryland, having an office at 680 American Avenue, King of Prussia, PA 19406, hereinafter called the ASSIGNEE, is desirous of acquiring the entire right, title and interest in the application and the invention and to any Letters Patent that may be granted therefor in the United States of America and in any and all countries foreign thereto;

NOW THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby assign to ASSIGNEE the entire right, title and interest in the application and the invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the invention that may be granted in the United States of America and in any and all countries foreign thereto, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefor on the invention.

I hereby authorize and request the Commissioner of the United States Patent and Trademark Office, and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE.

Further, I hereby agree to communicate to said ASSIGNEE or its representatives any facts known to us respecting said invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said invention in the United States of America and in any and all countries foreign thereto.

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PATENT REEL: 9522 FRAME: 0740 I further agree that the terms, covenants and conditions of this Assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and legal representatives, and shall be binding on me, my heirs, legal representatives and assigns.

Name of first Inventor:	Richard Louis Zinser, Jr.
Residence: 8 Kimber	y Court, Niskayuna, Schenectady County, NY
Post Office Address: 8 K	imberly Court. Niskayuna, NY 12309
Date: 10-7-98	Signature:
1st Witness Stephen M. F. (Type or Print)	
2nd Witness Richard L (Type or Print)	

After this Assignment has been recorded please return to:

**RECORDED: 10/14/1998** 

Patent Operation

Lockheed Martin Corporation

314B - Bldg. 28 P. O. Box 8048

Philadelphia, PA 19101