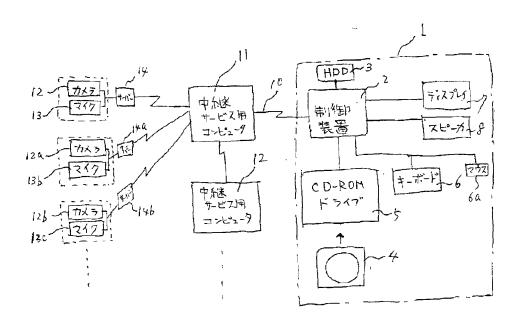
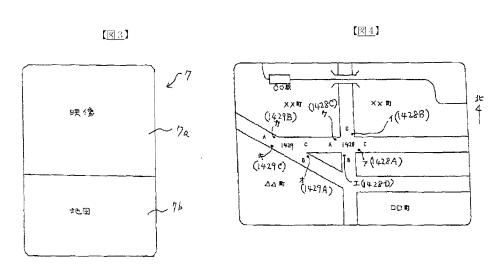
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- 4 CD-ROM
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- 7 b ディスプレイの下半分
- 8 スピーカ
- 10 公衆回線

- 11 中継サービス用コンピュータ
- 12, 12a, 12b ビデオカメラ
- 13, 13a, 13b マイク
- 21 LCD. 22 GPS受信機. 23 制御
- 部. 24 地図データベース用サーバー (コンピュー
- タ). 25 映像入力装置. 26 キーボード. 2
- 7 マウス. 30 コンピュータ通信網. 31 映像
- 入力装置. 34 CD-ROMプレーヤ. 35 CD-ROM

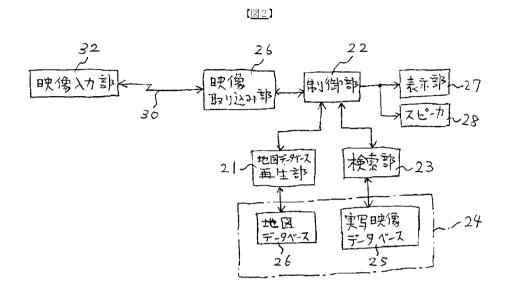
【図1】





特開平10-66058





(図5) (図6) 30 (図75) (Z75) (Z7

映像分数

地国データベース州 サーバー

(コンピュータ)

Electronic Patent Application Fee Transmittal					
Application Number:	10	336470			
Filing Date:	03	-Jan-2003			
Title of Invention:	Apparatus for capturing, converting and transmitting a visual image signal via a digital transmission system				
First Named Inventor/Applicant Name: David A. Monroe					
Filer: Jeffrey Darryl Hunt					
Attorney Docket Number:	07-0197				
Filed as Large Entity					
Utility Filing Fees					
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:					
Pages:					
Claims:					
Miscellaneous-Filing:					
Petition:					
Patent-Appeals-and-Interference:					
Post-Allowance-and-Post-Issuance:					
Extension-of-Time:					

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
	Tota	al in USE) (\$)	180

Electronic Acknowledgement Receipt				
EFS ID:	2317505			
Application Number:	10336470			
International Application Number:				
Confirmation Number:	8448			
Title of Invention:	Apparatus for capturing, converting and transmitting a visual image signal via a digital transmission system			
First Named Inventor/Applicant Name:	David A. Monroe			
Customer Number:	67589			
Filer:	Jeffrey Darryl Hunt			
Filer Authorized By:				
Attorney Docket Number:	07-0197			
Receipt Date:	13-OCT-2007			
Filing Date:	03-JAN-2003			
Time Stamp:	15:04:19			
Application Type:	Utility under 35 USC 111(a)			

Payment information:

Submitted with Payment	yes
Payment was successfully received in RAM	\$180
RAM confirmation Number	3992
Deposit Account	

File Listing:

Document	Document Description	File Name	File Size(Bytes)	Multi	Pages	
Number	Document Description	File Name	/Message Digest	Part /.zip	(if appl.)	

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO	Complete if Known		
	Application Number	10/336,470	
INFORMATION DISCLOSURE	Filing Date	January 3, 2003	
	First Named Inventor	David A Monroe	
STATEMENT BY APPLICANT	Art Unit	2625	
(Use as many sheets as necessary)	Examiner Name	Safaipour, Houshang	
Sheet 3 of 7	Attorney Docket Number	07-0197	

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,867,804	02-02-1999	Pilley, et al	3
				•	
		^{US-} 5,917,405	06-29-1999	Joso	
		^{US-} 5,926,210	07-20-1999	Hackett, et al	
		^{US-} 5,974,158	10-26-1999	Auty. et al	
		^{US-} 5,983,161	11-09-1999	Lemelson, et al	
		^{US-} 5,999,116	12-07-1999	Evers	
		^{US-} 6,084,510	07-04-2000	Lemelson, et al	
		^{US-} 6,092,008	07-18-2000	Bateman	
		^{US-} 6,154,658	11-28-2000	Caci	
		^{US-} 6,157,317	12-05-2000	Walker	
		^{US-} 6,181,373	1-30-2001	Coles	
		^{US-} 6,195,609	02-27-2001	Pilley, et al	
		^{US-} 6,226,031	05-01-2001	Barraciough, et al	
		^{US-} 6,275,231	08-14-2001	Obradovich	
		^{US-} 6,278,965	08-21-2001	Glass, et al	
		^{US-} 6,282,488	08-28-2001	Castor, et al	
		^{US-} 6,462,697	10-08-2002	Klamer, et al	
		^{US-} 5,933,098	08-03-1999	Haxton	
		^{US-} 5,689,442	11-18-1997	Swanson	

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY	11	Or Relevant Figures Appear	T ⁶			
		EP785,536	07-23-1997	Ferri, et al					
		WO97,37336	10-08-1997	Auty. et al					
		EP232,031	08-12-1987	Hale					
		EP613,109	08-31-1994	Hoover					
		WO96/12265	04-25-1996	Milgard					
		WO95/27910	10-19-1995	Wallis					

Examiner	Date	
Signature	Considered	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Under the Paperwork Reduction Act of 1995, no persons are required to res ond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 10/336,470 Filing Date January 3, 2003 INFORMATION DISCLOSURE David A Monroe First Named Inventor STATEMENT BY APPLICANT Art Unit 2625 (Use as many sheets as necessary) Examiner Name Safaipour, Houshang

Attorney Docket Number

Sheet 4

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 6,100,964	08-08-2000	De Cremiers	
		^{US-} 5,714,948	02-03-1998	Farmakis,et al	
		^{US-} 5,627,753	05-06-1997	Brankin, et al	
		^{US-} 4,857,912	08-15-1989	Everett, Jr. et al	
		^{US-} 6,259,475	07-10-2001	Ramachandran, et al	
		^{US-} 5,440,337	08-08-1995	Henderson, et al	
		^{US-} 6,282,488	08-28-2001	Castor, et al	
		^{US-} 5,508,736	04-16-1996	Cooper	
		^{US-} 5,469,371	11-21-1995	Bess	
		^{US-} 5,243,530	09-07-1993	Stanifer, et al	
		^{US-} 5,268,698	12-07-1993	Smith, Sr. et al	
		^{US-} 5,835,059	11-10-1998	Nadel, et al	
		^{US-} 2003/0071899	04-17-2003	Joso	
		^{US-} 2005/0055727	03-10-2005	Creamer, et al	
		^{US-} 6,662,649	12-16-2003	Knight, et al	
		^{US-} 5,938,706	08-17-1999	Feldman	
		^{US-} 6,078,850	06-20-2000	Kane, et al	
		^{US-} 6,549,130	04-15-2003	Joso	
		^{US-} 5,091,780	02-25-1992	Pomerleau	

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages					
		Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶				
		JP-A-10-155040	06-09-1998	Nisshin Denki						
		JP-HEI-10-66058	03-06-1998	Masanobu Kujirada						

	5.	
Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Examiner Name C Tran 07-0197 Sheet 2 Attorney Docket Number

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 5,463,595	10-31-1995	Rochall, et al	
		^{US-} 5,497,149	03-05-1998	Fast	
		^{US-} 5,530,440	06-25-1996	Denzer, et al	
		^{US-} 5,557,254	09-17-1996	Johnson, et al	
		^{US-} 5,557,278	09-17-1996	Piccirillo, et al	
		^{US-} 5,598,167	01-28-1997	Zjderhand	
		^{US-} 5,612,668	03-18-1997	Scott	
		^{US-} 5,629,691	05-13-1997	Jain	
		^{US-} 5,636,122	06-03-1997	Shah, et al	
		^{US-} 5,670,961	09-23-1997	Tomote, et al	
		^{US-} 5,667,979	10-14-1997	Squicciarini	
		^{US-} 5,712,679	01-27-1998	Coles	
		^{US-} 5,712,679	01-27-1998	Coles	
		^{US-} 5,712,899	01-27-1998	Pace, II	
		^{US-} 5,742,336	04-12-336	Lee	
		^{US-} 5,777,551	07-07-1998	Hess	
		^{US-} 5,777,580	03-21-1995	Janky, et al	
		^{US-} 5,793,416	08-11-1998	Rostoker, et al	
		^{US-} 5,850,180	12-15-1998	Hess	

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
maaro		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY	''	Or Relevant Figures Appear	T ⁶			
		EP613,110	08-31-1994	Hoover					
		EP613,111	08-31-1998	Tenpei					
		EP744,630	11-27-1996	Atul					
		WO90/04242	04-19-1990	Norman, et al					
		WO98/52174	11-19-1999	Hatjassalo					
		EP532,110	03-17-1993	Raimondi					

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁸Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND** TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

	Туре	Hits	Search Text	DBs
1	BRS	1	"5191601" nn	US-PGPUB; USPAT; EPO; JPO
2	BRS	25	1"4928300" "5036390") PN. OR	US-PGPUB; USPAT; USOCR
3	BRS	42	(cell cellular mobile video) adj (phone telephone) and ((memory stor\$3 buffer) near3 (image text picture)) near5 (display\$3 near3 (trasmit\$4 forward\$3 send\$3))	US-PGPUB; USPAT; EPO; JPO
4	BRS	0	((cellular adj telephone) and signals and visual and compatible and housing and integral and camera and within and display and memory).clm.	

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

67589

7590

12/27/2007

MOORE LANDREY 1609 SHOAL CREEK BLVD **AUSTIN, TX 78701**

EXAMINER SAFAIPOUR, HOUSHANG ART UNIT PAPER NUMBER

2625 DATE MAILED: 12/27/2007

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/336,470	01/03/2003	David A. Monroe	07-0197	8448

TITLE OF INVENTION: APPARATUS FOR CAPTURING, CONVERTING AND TRANSMITTING A VISUAL IMAGE SIGNAL VIA A DIGITAL TRANSMISSION SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(\$) DUE	DATE DUÉ
nonprovisional	NO	\$1440	\$300	\$0	\$1740	03/27/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Page 1 of 3

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Stop ISSUE FEE
Commissioner for Patents
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Alexandria, Virginia 22313-1450
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INSTRUCTIONS: This form should be used for transmitting the ISSUE FFF and PUBLICATION FFF (if required). Blocks 1 through 5 should be completed where

appropriate. All further indicated unless correct maintenance fee notification	correspondence includir ed below or directed oth ations.	ng the Patent, advance on herwise in Block I, by (a	rders and notification of a) specifying a new con	maintenance fees very espondence address	will be mailed to the curren; and/or (b) indicating a sep	t correspondence address as arate "FEE ADDRESS" for	
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						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/336,470	01/03/2003		David A. Monroe		07-0197	8448	
TITLE OF INVENTION TRANSMISSION SYST		CAPTURING, CONVER	RTING AND TRANSM	TTING A VISUAI	. IMAGE SIGNAL VIA A	DIGITAL	
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SAFAIPOUR	, HOUSHANG	2625	358-474000				
CFR 1.363).	ence address or indication condence address (or Cha B/122) attached.	·	For printing on the (1) the names of up or agents OR, alternative	to 3 registered pater	nt attorneys		
	lication (or "Fee Address 02 or more recent) attach		(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
3. ASSIGNEE NAME A	ND RESIDENCE DATA	A TO BE PRINTED ON	THE PATENT (print or t	ype)		•	
PLEASE NOTE: Un recordation as set for	less an assignee is ident th in 37 CFR 3.11. Com	ified below, no assignee pletion of this form is NO	data will appear on the T a substitute for filing a	patent. If an assigr	nee is identified below, the o	document has been filed for	
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Please check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	☐ Individual ☐ C	orporation or other private gr	oup entity Government	
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Authorized Signature				Date			
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Alexandria, Virginia 223	13-1430.					d by the USPTO to process) ng gathering, preparing, and ime you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450,	
Under the Paperwork Re	duction Act of 1995, no	persons are required to re-	spond to a collection of i	nformation unless it	displays a valid OMB contro	l number.	



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APPLICATION NO. FILING DATE		ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/336,470 01/03/2003		01/03/2003 David A. Monroe		07-0197	8448
67589	7590	12/27/2007		EXAM	INER
MOORE LA	NDREY			SAFAIPOUR,	HOUSHANG
1609 SHOAL	CREEK BL	LVD		ART UNIT	PAPER NUMBER
AUSTIN, TX	78701			2625	
				DATE MAILED: 12/27/200	7

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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•	10/336,470	MONROE, DAVID A.
Notice of Allowability	Examiner	Art Unit
	Houshang Safaipour	2625
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the co (OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to an amendment filed c	on 10/13/2007.	
2. X The allowed claim(s) is/are 43-45,48,50-52,54,55,60 and 6	<u>2-66</u> .	
 Acknowledgment is made of a claim for foreign priority unal All b) ☐ Some* c) ☐ None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have international Bureau (PCT Rule 17.2(a)). 	been received. been received in Application No	
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.	
(a) I including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached
1) 🗌 hereto or 2) 🗍 to Paper No./Mail Date		
(b) including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT	SIT OF BIOLOGICAL MATERIAL INFORTHE DEPOSIT OF BIOLOGIC	must be submitted. Note the AL MATERIAL.
Attachment(s)		
1. X Notice of References Cited (PTO-892)	Notice of Informal F	Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	 6. ☐ Interview Summary Paper No./Mail Da 	
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛭 Examiner's Amendr	
4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance
of Biological Material	9.	
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U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06) Application/Control Number:

10/336,470 Art Unit: 2625

Reasons for Allowance

- 1. Claims 1-42, 46, 47, 49, 53, 56-59 and 61 are canceled.
 - 2. Claims 43-45, 48, 50-52, 54, 55, 60 and 62-66 are allowed.
 - 3. This is examiner's statement of reasons for allowance.

Regarding claims 43-45, 48 and 50, the prior art, either singularly or in combination, does not teach or suggest a handheld self-contained cellular telephone and integrated image processing system for both sending and receiving telephonic audio signals and for capturing a visual image and transmitting it to a compatible remote receiving station of a wireless telephone network, the system comprising:

an integral image capture device comprising an electronic camera contained within the portable housing; a display for displaying an image framed by the camera, the display being supported by the housing, the display and the electronic camera being commonly movable in the housing when the housing is moved by hand; a memory associated with the processor for receiving and storing the digitized framed image, accessible for selectively displaying in the display window and accessible for selectively transmitting over the wireless telephone network the digitized framed image;

Regarding claims 51, 52, and 54, the prior art, either singularly or in combination, does not teach or suggest a handheld cellular telephone having an integrated electronic camera for both sending and receiving telephonic audio signals and for capturing a visual image, converting

Art Unit: 2625

the visual image to a digitized image data signal and transmitting digitized image data signal via a cellular telephone network, the cellular telephone comprising:

a manually portable housing supporting the cellular telephone and the integrated electronic camera, the cellular telephone and the integrated electronic camera being movable in common with the housing; an integral electronic camera in the housing, the camera for visually framing a visual image to be captured; a processor associated with the electronic camera for capturing and digitizing the framed image in a format for transmission over the cellular telephone network via the cellular telephone; a memory associated with the processor for receiving and storing the digitized framed image, accessible for selectively displaying in the display window and accessible for selectively transmitting over the cellular telephone network the digitized framed image;

Regarding claims 55, 60, and 62-66, the prior art, either singularly or in combination, does not teach or suggest a combination of handheld cellular telephone and electronic camera comprising:

an electronic camera integral within the housing; a display in the housing for framing the image to be captured by an image capture device and for viewing the image whereby an operator can view and frame the image prior to capture; a memory associated with the processor for receiving and storing the digitized framed image for selectively displaying the digitized framed image in the display window and for selectively transmitting the digitized framed image over a cellular telephone network; a cellular telephone in the housing for accepting and digitizing audio signals to be transmitted and for converting received digitized audio signals into acoustic audio,

Application/Control Number:

10/336,470

Page 7

Art Unit: 2625

the cellular telephone further for transmitting and receiving non-audio digital signals including digitized image signals;

The features identified, in combination with other claim limitations, are neither suggested nor discussed by the prior art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Houshang Safaipour whose telephone number is (571)272-7412. The examiner can normally be reached on Mon.-Thurs. from 6:30am to 3:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore whose telephone number is (571)272-7437. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

Application/Control Number:

10/336,470 Art Unit: 2625 Page 8

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Houshang Safaipour Patent Examiner November 26, 2007 10/336,470 Art Unit: 2625

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of issue fee.

Authorization to amend the claims was given in telephone interview with Jeffery D. Hunt (Registration No. 38,189) on November 26, 2007.

2. <u>In the Claims:</u>

43. (currently amended) A handheld self-contained cellular telephone and integrated image processing system for both sending and receiving telephonic audio signals and for capturing a visual image and transmitting it to a compatible remote receiving station of a wireless telephone network, the system comprising:

a manually portable housing;

an integral image capture device comprising an electronic camera contained within the portable housing;

a display for displaying an image framed by the camera, the display being supported by the housing, the display and the electronic camera being commonly movable in the housing when the housing is moved by hand;

a processor in the housing for generating an image data signal representing the image framed by the camera;

Art Unit: 2625

a memory associated with the processor for <u>receiving</u> and storing the <u>digitized framed</u> image, <u>accessible for selectively displaying in the display window and accessible for selectively transmitting over the wireless telephone network the digitized framed image;</u>

a user interface for enabling a user to select the image data signal for viewing and transmission;

a telephonic system in the housing for sending and receiving digitized audio signals and for sending the image data signal;

alphanumeric input keys in the housing for permitting manually input digitized alphanumeric signals to be input to the processor, the telephonic system further used for sending the digitized alphanumeric signals;

a wireless communications device adapted for transmitting any of the digitized signals to the compatible remote receiving station; and

a power supply for powering the system.

51. (currently amended) A handheld cellular telephone having an integrated electronic camera for both sending and receiving telephonic audio signals and for capturing a visual image, converting the visual image to a digitized image data signal and transmitting digitized image data signal via a cellular telephone network, the cellular telephone comprising:

a manually portable housing supporting the cellular telephone and the integrated electronic camera, the cellular telephone and the integrated electronic camera being movable in common with the housing;

Application/Control Number:

10/336,470 Art Unit: 2625 Page 4

a cellular telephone in the housing, the cellular telephone further including a

transmitter/receiver for transmitting and receiving audio telephone messages over a

cellular telephone network, a keypad for entering manually input alphanumeric signals to be

transmitted over the cellular telephone network, and a display window for viewing the manually

input alphanumeric signals:

an integral electronic camera in the housing, the camera for visually framing a

visual image to be captured;

a processor associated with the electronic camera for capturing and digitizing

the framed image in a format for transmission over the cellular telephone network via

the cellular telephone;

a memory associated with the processor for receiving and storing the digitized framed

image, accessible for selectively displaying in the display window and accessible for selectively

transmitting over the cellular telephone network the digitized framed image;

a user interface for enabling a user to selectively display the digitized framed

image in the display window and subsequently transmit the digitized framed image over the

cellular telephone network; and

an integrated power supply for powering both the cellular telephone and the

camera.

Houhang Safaipour

Patent Examiner

Issue	Classifi	cation

Application/Control No.	Applicant(s)/Patent under Reexamination	
10/336,470	MONROE, DAVID A.	
Examiner	Art Unit	
Houshang Safaipour	2625	

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U.S. Patent and Trademark Office

Part of Paper No. 20071126

Applicant(s)/Patent Under Reexamination Application/Control No. 10/336,470 MONROE, DAVID A. Notice of References Cited Examiner Art Unit Page 1 of 1 2625 Joseph R. Pokrzywa U.S. PATENT DOCUMENTS **Document Number** Date Classification Country Code-Number-Kind Code MM-YYYY US-5,412,708 B1 05-1995 Katz, Ronald A. 348/14.05 Α US-В US-¢ US-D US-Ε F US-US-G US-Н US-US-US-Κ US-US-М FOREIGN PATENT DOCUMENTS **Document Number** Date Country Name Classification Country Code-Number-Kind Code MM-YYYY JP 06-268582 A H04B 07/26 09-1994 Japan Kawazu et al. N 0 Р Q R S Т **NON-PATENT DOCUMENTS** Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) U W

A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).) Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patent and Trademark Office PTO-892 (Rev. 01-2001)

Notice of References Cited

Part of Paper No. 20060721



	Application/Control No.	Applicant(s)/Patent under Reexamination
	10/336,470	MONROE, DAVID A.
	Examiner	Art Unit
_	Houshang Safaipour	2625

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U.S. Patent and Trademark Office

Index	of Claims	

Application/Control No.

Applicant(s)/Patent under Reexamination

10/336,470

MONROE, DAVID A.

Examiner

Art Unit

Houshang Safaipour

2625

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√ Rejected
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Appeal

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Electronic Patent Application Fee Transmittal							
Application Number:	10336470						
Filing Date:	03	-Jan-2003					
Title of Invention:	APPARATUS FOR CAPTURING, CONVERTING AND TRANSMIT A VISUAL IMAGE SIGNAL VIA A DIGITAL TRANSMISSION SYST						
First Named Inventor/Applicant Name:	Da	avid A. Monroe					
Filer: Jeffrey Darryl Hunt							
Attorney Docket Number:	07	-0197					
Filed as Large Entity							
Utility Filing Fees							
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)		
Basic Filing:							
Pages:							
Claims:							
Miscellaneous-Filing:							
Petition:							
Patent-Appeals-and-Interference:							
Post-Allowance-and-Post-Issuance:	Post-Allowance-and-Post-Issuance:						
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Miscellaneous:				
Total in USD (\$)				1740

Electronic Acknowledgement Receipt						
EFS ID:	2732806					
Application Number:	10336470					
International Application Number:						
Confirmation Number:	8448					
Title of Invention:	APPARATUS FOR CAPTURING, CONVERTING AND TRANSMITTING A VISUAL IMAGE SIGNAL VIA A DIGITAL TRANSMISSION SYSTEM					
First Named Inventor/Applicant Name:	David A. Monroe					
Customer Number:	67589					
Filer:	Jeffrey Darryl Hunt					
Filer Authorized By:						
Attorney Docket Number:	07-0197					
Receipt Date:	17-JAN-2008					
Filing Date:	03-JAN-2003					
Time Stamp:	16:21:07					
Application Type:	Utility under 35 USC 111(a)					
Payment information:						

Submitted with Payment	yes
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.





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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/336,470 01/03/2003		David A. Monroe	07-0197	8448		
67589 MOORE LAN	7590 . 02/27/2008	EXAM	EXAMINER			
1609 SHOAL CREEK BLVD			SAFAIPOUR, HOUSHANG			
AUSTIN, TX 78701			ART UNIT	PAPER NUMBER		
			2625			
			MAIL DATE	DELIVERY MODE		
			02/27/2008	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

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P.O. Box 1450

Alexandria, Virginia 22313-1450

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	•	ATTORNEY DOCKET NO.
10336470	1/3/2003	1/3/2003 MONROE, DAVID A.		07-0197
				EXAMINER
MOORE LANDREY 1609 SHOAL CREEK	BLVD		Ho	ushang Safaipour
AUSTIN, TX 78701			ART UNIT	PAPER
			2625	20080215

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of information unless & consider a year OMB control number. Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USG AS PICKOS STORE)

Complete if Known					
Application Number	10/336 470				
Filing Date	7-3-03				
First Named Inventor	Brisid Monkor				
Art Unit	2432.				
Examiner Name	Horashow Salaipour				
Attorney Backet Number	-3-010.78				

			U.S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (FRecos)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1115		^{US-} 6,525,761 B2	02-25-2003	Mamoru Sato, et al	
MK		US-7.113.971 B1	09-26-2006	Hirokazu Ohi, et al	
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Examiner Initials*		Cite No.	Foreign Patent Document	Publication Data MM-DD-YYYY	Name of Palentee or Applicant of Otted Decument	Pages, Columns, Lines, Where Relevant Passages Or halevant Figures Appear	76	
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1	Y			JP-A-10-155040	06-09-1998	Njashin Denki		
X	1			JP-HEI-10-66058	03-06-1998	Masanobu Kujirada		
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Approved for use through 03/31/2007, OSES 0851-0831

Under the Pesserwork Reduction Act of 1995, no persons an Substitute for form 1449/PTO				e required to inspend to a collecti	on of information unlesse it contains a void ONB control number.  Complete if Known
	Vice to the control of the		,	Application Number	10/336,470
\$			CLOSURE	Filing Date	1-3-03
STA	TEMENT E	SY A	PPLICANT	First Named Inventor	Tavid rumase
	(Use as many she	erre are n	ดงกลังจะรักษาที่ รี	Art Ueit	2422
	toac as many and		arteman y	Examiner Name	Maushang Safarpour
Shoet	-72-	of	.0	Attorney Docket Number	

		NON PATENT LITERATURE DOCUMENTS	************
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), little of the item (book, magazine, journal, serial, symposium journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	i.s
#		Anonymous, "New & Old: Web-ready Camera Server, LAN Video Connects", Security Distributing & Marketing; April 1998; 28, 5; p. 58	
17		Anonymous, "The Eye's Mind: the Brains Behind Online Monitoring", Security: Jun 1998; 35, 6; p. 68	
		ZALUD, Bill, "New & Old: Web-ready Camera Seriver; LAN Video", Security: Mar 1998; 35,3; p. 52	
		MESENBRINK, John, "Remote Video Surveillance: Breakthroughs Continue in LANs, WANs", Security Distributing & Marketing; Mar 2000; 30.4, p 23	
		MAHONEN, Petri, "Wireless Video Surveillance: System Concepts", Proceedings International Conference on Image Analysis and Processing, ICIAP'99	
		COLOMBO, Allan B., "Internet Video: Ride the Wave" Security Distributing & Marketing, Oct 2000; 30, 13, p. 71	
		Anonymous, "SIA Police Chiefs Call Meeting on Public CCTV Law", Security, Jan 1999; 35, 1, p. 52	
		MESENBRINK, John, "Remote Video Surveillance: The Best of Both Worlds", Security: Mar 2000; 37, 3, p. 37	
		Anonymous, "School District sets Video Surveillance Standard", Security, Jun 2000, 37, 6; p. 43	·
		GOLD, Lessing E., "Remote Surveillance saves time, money", Security Distributing & Marketing, Jan 1999; 29, 1, p. 105	

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Evaminac 7		Date	- / / /
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EXAMINER: Initial if peterence complement whicher or not citation is in conformance with MPEP 609. Draw line through citation is not in conformance and not considered include ploty of this form with next communication to applicant.

Applicant a unique citation designation number (optional). 2 Applicant is to place a check mark less if English language Translation is stitution of information in required by 37 CFR 1.98. The information is required to citation or makin a benefit by the public which is to file fand by the process) an application. Confidentially is governed by the LLS C. 122 and 37 CFR 1.14. This collection is estimated to take it industrial processing an application. Confidentially is governed by the LLS C. 122 and 37 CFR 1.14. This collection is estimated to take it industrial completed application form to the LISPTO. Time will vary depending upon the individual case. Any commission or necessary of time year require to consiste this form and/or suggestions for reducing this burden, and to the Chief information Officer, U.S. Patiers and Transmark Office. P.O. Box 1450, Alexandria, VA 22213-1450.

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTC/Shina3 (09-06)
Approved for use through 00/01/2007 CMB 0651-0031

Under the Preparatoric Haduction Act of 1995, no persons as	regress to bringers of besigner or	o of information unless is contains a valid ONS control number.
Substitute for form 1449/F/10		Complete if Known
	Application Number	10/336 470
INFORMATION DISCLOSURE	Filing Date	1-3-03
STATEMENT BY APPLICANT	First Named Inventor	Franch BringE
(Use as many sheets as necessary)	Ari Unit	- 3625°
	Examiner Name	Houshang Safar pour
Sheet 3 of Co	Attorney Docket Number	0 7-057

Examiner nitials*	Cite No.	include name of the author (in CAPITAL LETTERS), little of the article (when appropriate), little of the item (book, magazine, journal, serial, symposium, cutalog, etc.), date, page(s), võlume-issue number(e), publisher, city and/or country where published.	T
H		Anonymous, "Video Security System Alternative", Community Banker; Sep 2000; 9,9, p. 52	
		ZALUD, Bill, "Conquering Digital Marks CCTV Inovations", Security, Apr 2000; 37, 4, p. 43	
		Anonymous, "Surveillance Cameras Harbour Racing Secrets", Security, Jan 2000; 37, 1, p. 29	
		EVERETT, H.R., LAIRD, R.T., GILBREATH, G., HEATH-PASTORE, T.A., INDERIEDEN, R.S., GRANT, K., JAFFEE, D.M., "Multiple Resource Host Architecture for the Mobile Detection	
		Assessment and Response System", Space & Naval Warfare Systems Center; Technical Document 3026; Aug 1998	
		COLLINS, Robert T., LIPTON, Alan J., KANADE, Takeo, FUJIYOSHI, Hiroriobu, DUGGINS, David, TSIN, Yanghai, TOLLIVER, David, ENOMOTO, Nobuyoshi, HASEGAWA, Osamo, BURT, Peter,	
		WIXSON, Lambert, "A system for Video Surveillance and Monitoring", CMU-RI-TR-00-12; 2000 Cameige Mellon University	7
		WIGGINS, A.E., "Helsinki Journey Time Monitoring System", 12 May 1999 at IEE; CCTV and Road Surveillance	
		KUO. Chin-Hwa, WANG, Tay-Shen, "Design of Networked Visual Monitoring Systems", ISCAS 2000 - IEEE Int'l Symposium on Circuits and Systems, 5/28-31/00, pp 297-300	
V		HARRISON, Ian, LUPTON, David, "Automatic Road Traffic Event Monitoring Information System (ARTEMIS)", 12 May 1999 at IEE; CCTV and Road Surveillance	

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7/8			UNNAVA, Subbarso V., DE LA CRUZ, Moises, "WEB Based Remote Security System VRSS) Model Development", Proceedings of IEEE SE Con 2000, 4/7-9/00, pp 379-382				
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nitials* No.1 the item (book, magazine, journal, si		the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	7
4/2		BRYAN, W.D., NGUYEN, H.G., GAGE, D.W., "Man-Portable Networked Sensor System," SPIE Cfr on Sensor Technology I/Soldier Systems, 04/98, SPIE Vol.:3394, pp 79-88	
		BÁLCH, Kris, *Replacing 16mm Airborne Film Cameras w/Commercial-Off-The-Shelf Digital Imaging,* SPIE Ofr - Digitization of Battlespace III, 04/98, SPIE Vol. 3393, pp 226-237	
		HATA, Tsukada, BOH, Satoru, TSUKADA, Akira, OZAKI, Minoru, "User interface using 3D model for video surveillance," SPIE Vol 3228,pp 238-246	
	** ***** *** ,.	YAMASHIRO, Zuiki, YOSHIADA, Toshihiro, "Utilizing Picture Information in the Traffic Field: The Intelligent integrated ITV Systems (IIIS), (IITS), Proceedings of the 1999 IEEE	
$\downarrow$		/IEEJ/JSAI International Conference on Intelligent Transporation Systems, Ocotber 5-8, 1999, pp 224-229	
	,		
7/3		SATO, Kazuya, TSUKADA, Akihiro, MATSUDA, Fumio, KAWASAKI, Kaoru, OZAKI, Minoru, "Multimedia Systems for Industrial Surveillance," SPIE Vol 3020, pp 182-19.	
(		MAEDA, Hiromi, "About the Internet as iTS" Proceedings of the 1999 IEEE/IEEJ/JSAI International Conference on Intelligent Transporation Systems, Occiber 5-8, 1999, pp 478-483	
		Infographics Systems, "Network Video Recorder eWave NVR Series Digital Recorder/Administrators Manual," 2001, pp 1-47	
\		\$ <b>8</b>	

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#		KOHNO, Atsushi, HATA, Toshiniko, OZAKI, Minorr, "Moving Object Detection Method Using H.263 Video Coded Data for Remote Surveillance Systems" IS&T/SPIE Cfr on Videometrics VI,	
Y		01/99, SPIE Vol. 3641, pp 247-258	
\		GAGE, Douglas W., "Network Protocols for Mobile Robot Systems", SPIE Vol. 3210, pp 107-118	**********
		LAIRD, R.T., EVERETT, H.R., GILBREATH, G.A., HEATH-PASTORE, T.A., INDERIEDEN, R.S., "MDARS Multiple Robot Host Architecture", Ason, of Unmarined Vehicle Systems, 7/10-12/95	
V		SMART, J., "Integrated Workstations for Reliable, Site-Independent Security Monitoring and Control"; IEEE Publication CH22645-0/88/0000-0145; 1998; pp 145-149	
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Complete if Known Application Number 10/336,470 Filing Date January 3, 2003 First Named Inventor David A. Monroe Art Unit 2625 Examiner Name Joseph R. Pokrzywa Attorney Docket Number 121817 002 042

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No.'	Document Number  Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
111		US- 4,163,283	07-31-1979	Darby	
11		^{US-} 4,179,695	12-18-1979	Levine, et al	,
1/		^{US-} 4,179,536	04-08-1980	Levine	·
7		^{US-} 4,516,125	05-07-1985	Schwab, et al	·
$\Box$		^{US-} 4,831,438	05-16-1989	Bellman, Jr., et al	
	Ţ.,	^{US-} 4,845,629	07-04-1989	Murge	
		^{US-} 4,891,650	01-02-1990	Sheffer Sheffer	
		US- 5,027,114	06-25-1991	Reid	
		US- 5,027,114	06-25-1991	Kawashime, et al	
		^{US-} 5,166,746	11-24-1992	Sato, et al	
		^{US-} 5,218,367	06-08-1993	Sheffer, et al	
		^{US-} 5,243,340	09-07-1993	Norman, et al	
		^{US-} 5,283,643	02-10-1994	Fujimoto	
		^{US-} 5,321,615	06-14-1994	Frisbie, et al	
		US- 5,334,982	08-02-1994	Owen	
	Ī	us- 5,351,194	09-27-1994	Rose, et al	
		^{US-} 5,400,031	03-21-1995	Fitts	
		^{US-} 5,408,330	04-18-1995	Squicciarini, et al	
V		^{US-} 5,448,243	09-05-1995	Bethke, et al	

			IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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11		JP9-251599	04-06-1999	Masatake, et al		
		JP11-160424	06-18-1999	Tenpei		
70		JP6-301898	10-28-1994	Hoover		
		JP9-282600	10-31-1997	Hasegawa, et al		
		EP209,397	07-07-1993	Murga, et al		
V		EP220,752	05-06-1987	Julin, et al		

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<b>1</b> (1)		^{US-} 5,463,595	10-31-1995	Rodhall, et al	
\\ <i>T</i>		^{US-} 5,497,149	03-05-1998	Fast	
7		^{US-} 5,530,440	06-25-1996	Denzer, et al	
		^{US-} 5,557,254	09-17-1996	Johnson, et al	
7		^{US-} 5,557,278	09-17-1996	Piccirillo, et al	
7		^{US-} 5,598,167	01-28-1997	Zjderhand	
7		^{US-} 5,612,668	03-18-1997	Scott	
		^{US-} 5,629,691	05-13-1997	Jain	
		^{US-} 5,636,122	06-03-1997	Shah, et al	
		^{US-} 5,670,961	09-23-1997	tomote, et al	
		^{US-} 5,677,979	10-14-1997	Squicciarini	
		^{US-} 5,712,679 ⁻	01-27-1998	Coles	
1		^{US-} 5,712,899	01-27-1998	Pace, II	
		US- 5,742,336	04-12-1998	Lee	,
7		us- 5,777,580	07-07-1998	Hess	
		^{US} · 5,777,580	07-07-1998	Janky, et al	
		^{US-} 5,793,416	08-11-1998	Rostoker, et al	
		^{US-} 5,825,283	10-20-1998	Camhi	
-\		^{US-} 5,850,180	12-15-1998	Hess	

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H		EP613,110	08-31-1994	Hoover		
71	*****	EP613,111	08-31-1994	Hooever		
77		EP744,630	11-27-1996	Atul		
		WO90/04242	04-19-1990	Norman, et al		
1.		WO98/52174	11-19-1998	Hatjasalo		
V		EP532,110	03-17-1993	Raimondi		

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January 3, 2003 First Named Inventor David A. Monroe Art Unit 2625 Examiner Name Joseph R. Pokrzywa Attorney Docket Number 121817-002-042

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1)/		^{US-} 5,917,405	06-29-1999	Joso	
γ		^{US-} 5,926,210	07-20-1999	Hackett, et al	
	· ·	^{US-} 5,974,158	10-26-1999	Auty, et al	
		^{US-} 5,983,161	11-09-1999	Lemelson, et al	
		^{US-} 5,999,116	12-07-1999	Evers	
		US- 6,084,510	07-04-2000	Lemelson, et al	
		^{US-} 6,092,008	07-18-2000	Bateman	
		^{US-} 6,154,658	11-28-2000	Caci	
\		us- 6,157,317	12-05-2000	Walker	
7		^{US-} 6,181,373	01-30-2001	Coles	
		^{US-} 6,195,609	02-27-2001	Pilley, et al	·
		^{US-} 6,226,031	05-01-2001	Barraciough, et al	
		us- 6,275,231	08-14-2001	Obradovich	
		us- 6,278,965	08-21-2001	Glass, et al	
		^{US-} 6,282,488	08-28-2001	Castor, et al	
	i	^{US-} 6,462,697	10-08-2002	Klamer, et al	
		^{UŞ-} 5,933,098	08-03-1999	Haxton	
V	T	^{US-} 5,689,442	11-18-1997	Swanson	·

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/V		EP232,031	08-12-1987	Hale		
		EP613,109	08-31-1994	Hoover		
( )		WO96/12265	04-25-1996	Millgard		
<u> </u>		WO95/27910	10-19-1995	Wallis		1

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2625 (Use as many sheets as necessary) Examiner Name Joseph R. Pokrzywa Attorney Docket Number 121817,002,042

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THE		^{US-} 6,100,964	08-08-2000	De Cremiers	
1/2		^{US-} 5,714,948	02-03-1998	Farmakis, et al	
1/		us- 5,627,753	05-06-1997	Brankin, et al	
	·	^{US-} 4,857,912	08-15-1989	Everett, Jr., et al	
1		^{US-} 6,259,475	07-10-2001	Ramachandran, et al	
T		^{us-} 5,440,337	08-08-1995	Henderson, et al	
T		^{US-} 6,282,488	08-28-2001	Castor, et al	
		^{US-} 5,508,736	04-16-1996	Cooper	
		^{US-} 5,469,371	11-21-1995	Bess	
		^{US-} 5,243,530	09-07-1993	Stanifer, et al	
1		^{US-} 5,268,698	12-07-1993	Smith, Sr., et al	
		^{US-} 5,835,059	11-10-1998	Nadel, et al	
		^{US-} 2003/0071899	04-17-2003	Joso	
		us- 2005/0055727	03-10-2005	Creamer, et al	
1		us. 6,662,649	12-16-2003	Knight, et al	
		us- 5,938,706	08-17-1999	Feldman	
		^{US-} 6,078,850	06-2-2000	Kane, et al	
		^{US-} 6,549,130	04-15-2003	Joso	
1		^{US-} 5,091,780	02-25-1992	Pomerleau	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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#### Complete if Known Substitute for form 1449/PTO Application Number 10/336,470 Filing Date January 3. 2003 INFORMATION DISCLOSURE First Named Inventor David A. Monroe STATEMENT BY APPLICANT Art Unit 2625 Examiner Name Joseph R. Pokrzywa Attorney Docket Number 121817,002.042

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Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
	1.0.	Number-Kind Code ² (f known)	W.W00-1111	Applicant or offen population	Figures Appear
$\mathcal{H}\Lambda$		^{US-} 5,666,157	09-09-1997	Avid	
17/		^{US-} 6,424,370	07-23-2002	Courtney	
7		^{US-} 6,504,479	01-07-2003	Lemons	
7		^{US-} 6,628,835	09-30-2003	Brill	
7		^{US-} 6,646,676	11-11-2003	DeGrace	
7		^{US-} 6,002,427	12-14-1999	Kipust	
		US- 5,432,838	07-11-1995	Purchase	
		us. 6,385,772	05-07-2002	Courtney	
		US- 6,292,098	09-18-2001	Ebata	
		^{US-} 5,642,285	06-24-1997	Woo	
		^{US-} 5,557,278	09-17-1996	Piccirillo ·	
		^{US-} 2005/0138083 A1	06-16-2005	Rastegar	
		^{US-} 6,069,655	05-03-2000	Seeley	
		US- 5,440,343	08-08-1995	Parulski	
		US- 5,111,291	05-05-1992	Erickson	
		^{US-} 4,910,692	03-20-1990	Outram .	
		^{US-} 5,109,278	04-28-1992	Erickson	
		^{US-} 5,509,009	04-16-1996	Laycock	
V		^{US-} 5,751,346	05-12-1998	Dozler	

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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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74		Number-Kind Code ² (* known)			Figures Appear
<u>_ 11.4</u>		^{US-} 6,009,356	12-28-1999	Monroe	
V .	-	^{US-} 6,246,320	06-12-2001	Monroe	
		^{US-} 6,356,625	03-12-2002	Castelani	
		^{US-} 6,570,610	05-27-2003	Kipulsi	
		^{US-} 6,698,021	02-24-2004	Amini	
		^{US-} 5,553,609	09-10-1996	Chen, et al	
		^{US-} 6,067,571	05-23-2000	Igarashi, et al	
		^{US-} 6,133,941	10-17-2000	Ono	
		^{US-} 6,476,858	11-05-2002	Ramirez Diaz, et al	
		^{US-} 6,522,352	02-18-2003	Liao, et al	
		^{US-} 6,556,241	04-29-2003	Yoshimura, et al	
		^{US-} 6,675,386	01-06-2004	Hendricks, et al	
J		^{US-} 6,720,990	04-13-2004	Walker, et al	
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Examiner	Cite	NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	r	
Initials* No.		the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issa number(s), publisher, city and/or country where published.		
713		April 1966, Apollo Unified S-Band System, NASA-Goddard Space Flight Center, Greenbelt, Maryland		
X		November 24, 19976, TELEXIS ViaNet General Information Booklet Version 1.3		
		2000, ViaNet 3000 Administrator's Manual Version 1.1-NetXpress Video by TELEXIS, Kanata, Ontario, Canada		
		1999, ViaNet 3000 Operator Manual Version 1.0 by TELEXIS-NetXpress Video, Kanta, Ontario, Canada		
		1999, viaNet 3000 Administrator Manual Version 1.0-NetXpress Video by TELEXIS, Kanata, Ontario, Canada		
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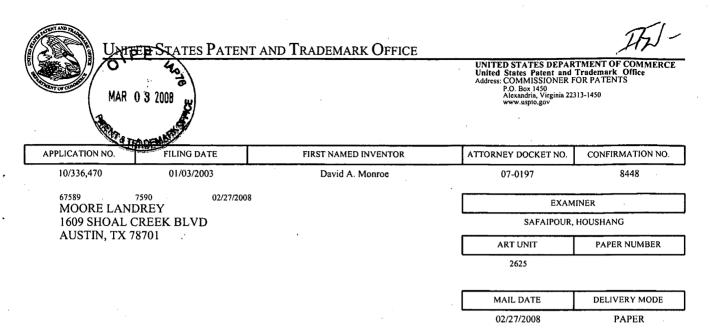
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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10336470	1/3/2003	MONROE, DAVID A.	07-0197

MOORE LANDREY 1609 SHOAL CREEK BLVD AUSTIN, TX 78701 EXAMINER

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$\mathcal{I}\mathcal{H}$		Anonymous, "New & Ol	d: Web-ready Carr	nera Server, LAN Video	en:me
7//		Connects", Security Dis	tributing & Marketin	ng; April 1998; 28, 5; p. 58	<u> </u>
1/		Anonymous, "The Eye's I	vlind: the Brains Beh	nind Online Monitoring*, Security:	- Section Section 1
		Jun 1998; 35, 6; p. 68		<del>-</del>	
		ZALUD, Bill, "New & Old Mar 1998; 35,3; p. 52	l: Web-ready Came	era Seriver, LAN Video", Security:	
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		MESENBRINK, John, "R in LANs, WANs", Securit	temote Video Surve ly Distributing & Ma	eillance: Breakthroughs Continue arketing; Mar 2000; 30,4, p 23	
		MAHONEN, Petri, "Wirele:	ss Video Surveilland	e: System Concepts", Proceedings	
		International Conference of	in Image Anaysis and	d Processing, ICIAP'99	
		COLOMBO, Allan B., "Int Marketing, Oct 2000; 30,		he Wave" Security Distributing &	
		Anonymous, "SIA Police C Jan 1999; 35, 1, p. 52	Shiefs Call Meeting c	on Public CCTV Law", Security,	
		MESENBRINK, John, "R Worlds", Security: Mar 2		reillance: The Best of Both	
		Anonymous, "School Distr 2000, 37, 6; p. 43	ict sets Video Surve	eillance Standard", Security, Jun	

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GOLD, Lessing E., "Remote Surveillance saves time, money", Security

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Distributing & Marketing, Jan 1999; 29, 1, p. 105

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7/8		Anonymous, "Video Security System Alternative", Community Banker; Sep 2000; 9,9, p. 52	
	,	ZALUD, Bill, "Conquering Digital Marks CCTV Inovations", Security, Apr 2000; 37, 4, p. 43	
		Anonymous, "Surveillance Cameras Harbour Racing Secrets", Security, Jan 2000; 37, 1, pr 29	
		EVERETT, H.R., LAIRD, R.T., GILBREATH, G., HEATH-PASTORE, T.A., INDERIEDEN, R.S., GRANT, K., JAFFEE, D.M., "Multiple Resource Host Architecture for the Mobile Detection	
		Assessment and Response System", Space & Naval Warfare Systems Center; Technical Document 3026; Aug 1998	
		COLLINS, Robert T., LIPTON, Alan J., KANADE, Takeo, FUJIYOSHI, Hiroriobu, DUGGINS, David, TSIN, Yanghai, TOLLIVER, David, ENOMOTO, Nobuyoshi, HASEGAWA, Osamu, BURT, Peter,	 ~
	•	WIXSON, Lambert, *A system for Video Surveillance and Monitoring", CMU-RI-TR-00-12; 2000 Cameige Mellon University	
		WIGGINS, A.E., "Helsinki Journey Time Monitoring System", 12 May 1999 at IEE; CCTV and Road Surveillance	***************************************
		KUO. Chin-Hwa, WANG, Tay-Shen, "Design of Networked Visual Monitoring Systems", ISCAS 2000 - IEEE Int'l Symposium on Circuits and Systems, 5/28-31/00, pp 297-300	909777999
1		HARRISON, Ian, LUPTON, David, "Automatic Road Traffic Event Monitoring Information System (ARTEMIS)", 12 May 1999 at IEE; CCTV and Road Surveillance	

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H	D		BRYAN, W.D., NGUYEN, H.G., GAGE, D.W., "Man-Portable Networked Sensor System," SPIE Cfr on Sensor Technology I/Soldier Systems, 04/98, SPIE Vol. 3394, pp 79-88	
			8ALCH, Kris, *Replacing 16mm Airborne Film Cameras w/Commercial-Off-The-Shelf Digital Imaging,* SPIE Cfr - Digitization of Battlespace III, 04/98, SPIE Vol. 3393, pp 226-237	
			HATA, Tsukada, BOH, Satoru, TSUKADA, Akira, OZAKI, Minoru, "User interface using 3D model for video surveillance," SPIE Vol 3228,pp 238-246	
			YAMASHIRO, Zuiki, YOSHIADA, Toshihiro, "Utilizing Picture Information in the Traffic Field: The Intelligent integrated ITV Systems (IIIS), (IITS), Proceedings of the 1999 IEEE	
٧	$V \mid$		/IEEJ/JSAI International Conference on Intelligent Transporation Systems, Ocotber 5-8, 1999, pp 224-229	
7	13		SATO, Kazuya, TSUKADA, Akihiro, MATSUDA, Fumio, KAWASAKI, Kaoru, OZAKI, Minoru, "Multimedia Systems for Industrial Surveillance," SPIE Vol 3020, pp 182-19	
	1		MAEDA, Hiromi, "About the Internet as iTS" Proceedings of the 1999 IEEE/IEEJ/JSAI International Conference on Intelligent Transporation Systems, Occiber 5-6, 1899, pp 478-483	
			Infographics Systems, "Network Video Recorder eWave NVR Series Digital Recorder/Administrators Manual," 2001, pp 1-47	
	7		GAGE. Douglas W., BRYAN, W. Dale, NGUYEN, Hoa G., "Intermetting factical security sensor systems," SPIE Cfr Digitization of Battlespace III; 04/98, SPIE Vol 3393, pp 184-194	

Examiner		Date	2/11/2V
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7/8		KOHNO, H.263 Vid	Atsusi ieo Co	ni, HATA, Tosh	ihiko, OZAKI, Minorr, "Mov	ing Object Detection Method Using os IS&T/SPIE Of on Videometrics VI,	
		01/99, \$	SPIE	Vol. 3641,	pp 247-258		
		GAGE, Douglas W., "Network Protocols for Mobile Robot Systems", SPIE Vol. 3210, pp 107-118					
		LAIRD, R. "MDARS I	T., EV Multiple	ERETT, H.R., (Robot Host A	3ILBREATH, G.A., HEATH-I rchitecture", Assn. of Unmar	PASTORE, T.A., INDERIEDEN, R.S., nned Vehicle Systems, 7/10-12/95	
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Application Number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ute for form 1449/PTO

US- 5,448,243

(Use as many sheets as necessary)

Filing Date January 3, 2003 First Named Inventor David A. Monroe Art Unit 2625 Examiner Name Joseph R. Pokrzywa Attorney Docket Number | 121817, 002, 042

U. S. PATENT DOCUMENTS Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear Examine Document Number Publication Date MM-DD-YYYY Name of Patentee or Applicant of Cited Document Number-Kind Code^{2 (f known)} ^{US-} 4,163,283 07-31-1979 ^{US-} 4,179,695 12-18-1979 Levine, et al US- 4,179,536 04-08-1980 Levine us. 4,516,125 05-07-1985 Schwab, et al. ^{US-} 4,831,438 05-16-1989 Bellman, Jr., et al US- 4,845,629 07-04-1989 Murge US- 4,891,650 01-02-1990 Sheffer US- 5,027,114 06-25-1991 Reid US- 5,027,114 06-25-1991 Kawashime, et al US- 5,166,746 11-24-1992 Sato, et al ^{US-} 5,218,367 Sheffer, et al 06-08-1993 ^{US-} 5,243,340 09-07-1993 Norman, et al ^{US-} 5,283,643 02-10-1994 Fulimoto ^{US-} 5,321,615 06-14-1994 Frisbie, et al US- 5,334,982 08-02-1994 Owen US- 5,351,194 09-27-1994 Rose, et al ^{US-} 5,400,031 Filts 03-21-1995 US- 5,408,330 04-18-1995 Squicciarini, et al

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Examiner Initials*		Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
1		Country Code ³ "Number ⁴ "Kind Code ³ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	1
111		JP9-251599	04-06-1999	Masatake, et al		
		JP11-160424	06-18-1999	Tenpel		L
- To		JP6-301898	10-28-1994	Hoover		L
		JP9-282600	10-31-1997	Hasegawa, et al		
		EP209,397	07-07-1993	Murga, et al		
V	,	EP220,752	05-06-1987	Julin, et al		Γ

Bethke, et al

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Examiner Initials/	Cite No.1	Document Number Number-Kind Code ² (* known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
7/1		^{US-} 5,463,595	10-31-1995	Rodhall, et al	
1//		^{US-} 5,497,149	03-05-1998	Fast	
7	•	us- 5,530,440	06-25-1996	Denzer, et al	
T		^{US-} 5,557,254	09-17-1996	Johnson, et al	
7		^{US-} 5,557,278	09-17-1996	Piccirillo, et al	
T		^{US-} 5,598,167	01-28-1997	Zjderhand	
1		^{US-} 5,612,668	03-18-1997	Scott	
		^{US-} 5,629,691	05-13-1997	Jain	
		^{US-} 5,636,122	06-03-1997	Shah, et al	
		^{US-} 5,670,961	09-23-1997	tomote, et al	
		^{US-} 5,677,979	10-14-1997	Squicciarini	· · · · · · · · · · · · · · · · · · ·
		^{US-} 5,712,679	01-27-1998	Coles	
1		^{US-} 5,712,899	01-27-1998	Pace, II	
T		^{US-} 5,742,336	04-12-1998	Lee	
		us. 5,777,580	07-07-1998	Hess	
		^{US-} 5,777,580	07-07-1998	Janky, et al	
		^{US-} 5,793,416	08-11-1998	Rostoker, et al	
		^{US-} 5,825,283	10-20-1998	Camhi	
1		^{US-} 5,850,180	12-15-1998	Hess	

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ملم		Country Code ³ "Number * "Kind Code ³ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	1
HX		EP613,110	08-31-1994	Hoover		
71		EP613,111	08-31-1994	Hooever		
7/		EP744,630	11-27-1996	Atul		Γ
		WO90/04242	04-19-1990	Norman, et al		
$\mathcal{T}_{\mathcal{L}}$		WO98/52174	11-19-1998	Hatjasalo		Г
$\neg \mathcal{Y}$		EP532,110	03-17-1993	Ralmondi		

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Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	US- 5,867,804	02-02-1999	Pilley, et al	
	^{US-} 5,917,405	06-29-1999	Joso	
	^{US.} 5,926,210	07-20-1999	Hackett, et al	
	^{US-} 5,974,158	10-26-1999	Auty, et al	
	^{us.} 5,983,161	11-09-1999	Lemelson, et al	
		12-07-1999	Evers	
,		07-04-2000	Lemelson, et al	
		07-18-2000	Bateman	
	^{US-} 6,154,658	11-28-2000	Caci	
		12-05-2000	Walker	
		01-30-2001	Coles	
		02-27-2001	Pilley, et al	
	^{US-} 6,226,031	05-01-2001	Barraciough, et al	
	^{US-} 6,275,231	08-14-2001	Obradovich	
	us. 6,278,965	08-21-2001	Glass, et al	
		08-28-2001	Castor, et al	
		10-08-2002	Klamer, et al	
		08-03-1999	Haxton	
	^{US-} 5,689,442	11-18-1997	Swanson	
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FOREIGN PATENT DOCUMENTS							
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'XV		EP785,536	07-23-1997	Ferri, et al			
17		WO97/37336	10-09-1997	Auty, et al		C	
/V		EP232,031	08-12-1987	Hale			
		EP613,109	08-31-1994	Hoover			
		WO96/12265	04-25-1996	Millgard			
V		WO95/27910	10-19-1995	Wallis		T	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/336,470
Filing Date	January 3, 2003
First Named Inventor	David A. Monroe
Art Unit	2625
Examiner Name	Joseph R. Pokrzywa
Attorney Docket Number	121017 002 042

Examiner Initials*	Cite No.1	Document Number Number Number-Kind Code ² (************************************	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
\mathcal{H}		US- 6,100,964	08-08-2000	De Cremiers	
11/3		^{US-} 5,714,948	02-03-1998	Farmakis, et at	
7		^{US-} 5,627,753	05-06-1997	Brankin, et al	
$\neg \neg$		^{US-} 4,857,912	08-15-1989	Everett, Jr., et al	
7		^{US-} 6,259,475	07-10-2001	Ramachandran, et al	
		^{US-} 5,440,337	08-08-1995	Henderson, et al	
1		^{US-} 6,282,488	08-28-2001	Castor, et al	
		^{US-} 5,508,736	04-16-1996	Cooper	
		^{US-} 5,469,371	11-21-1995	Bess	
T^{-}		US- 5,243,530	09-07-1993	Stanifer, et al	
7		^{US-} 5,268,698	12-07-1993	Smith, Sr., et al	·
		^{US-} 5,835,059	11-10-1998	Nadel, et al	
		^{US-} 2003/0071899	04-17-2003	Joso	
		us- 2005/0055727	03-10-2005	Creamer, et al	
		us. 6,662,649	12-16-2003	Knight, et al	
		^{US-} 5,938,706	08-17-1999	Feldman	
		^{US-} 6,078,850	06-2-2000	Kane, et al	
		^{US-} 6,549,130	04-15-2003	Joso	
V		^{US-} 5,091,780	02-25-1992	Pomerleau	

	FOREIGN PATENT DOCUMENTS							
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Complete if Known Substitute for form 1449/PTO Application Number 10/336,470 Filing Date January 3. INFORMATION DISCLOSURE First Named Inventor David A. Monroe STATEMENT BY APPLICANT Art Unit 2625 (Use as many sheets as necessary) Examiner Name Joseph R. Pokrzywa Attorney Docket Number Sheet 121017,002,042

			U. S. PATEN	T DOCUMENTS	
Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
7/1		Number-Kind Code ^{2 (* Anown)}	00 00 1007	A	
-1141		US- 5,666,157	09-09-1997	Avid	
-V		^{US-} 6,424,370	07-23-2002	Courtney	
		^{US-} 6,504,479	01-07-2003	Lemons	
L		^{US-} 6,628,835	09-30-2003	Brill	
		^{US-} 6,646,676	11-11-2003	DeGrace	·
		^{US-} 6,002,427	12-14-1999	Kipust	
		^{US-} 5,432,838	07-11-1995	Purchase	
		^{US-} 6,385,772	05-07-2002	Courtney	
		^{US-} 6,292,098	09-18-2001	Ebata	
		^{US-} 5,642,285	06-24-1997	Woo	
		^{US-} 5,557,278	09-17-1996	Piccirillo	
		^{US-} 2005/0138083 A1	06-16-2005	Rastegar	,
		^{US-} 6,069,655	05-03-2000	Sealey	
		^{US-} 5,440,343	08-08-1995	Parulski	
		^{US-} 5,111,291	05-05-1992	Erickson	
		^{US-} 4,910,692	03-20-1990	Outram	
		^{US-} 5,109,278	04-28-1992	Erickson	
		^{US-} 5,509,009	04-16-1996	Laycock	
V		^{US-} 5,751,346	05-12-1998	Dozler	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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3333131313131313131313131313131313131313	Application Number	10/336,470		
INFORMATION DISCLOSURE	Filing Date	January 3, 2003		
	First Named Inventor	David A. Monroe		
STATEMENT BY APPLICANT	Art Unit	2625		
(Use as many shoets as necessary)	Examiner Name	Josenh R. Pokrzywa		
Sheet 6 of 7	Attorney Docket Number	121817-002-042		

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initials.	No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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41		^{US-} 6,009,356	12-28-1999	Monroe	
·V		^{US-} 6,246,320	06-12-2001	Monroe	
		^{US-} 6,356,625	03-12-2002	Castelani	
		^{US-} 6,570,610	05-27-2003	Kipulst	
		^{US-} 6,698,021	02-24-2004	Amini	
		^{US-} 5,553,609	09-10-1996	Chen, et al	
		^{US-} 6,067,571	05-23-2000	Igarashi, et al	
		^{US-} 6,133,941	10-17-2000	Ono	
		^{US-} 6,476,858	11-05-2002	Ramirez Diaz, et al	
		^{US-} 6,522,352	02-18-2003	Liao, et al	
		^{US-} 6,556,241	04-29-2003	Yoshimura, et al	•
		^{US-} 6,675,386	01-06-2004	Hendricks, et al	
T)		^{US-} 6,720,990	04-13-2004	Walker, et al	
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			CLOSURE	Filing Date	JANUARY #, 2003	
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	(i isa As manu shi	n sa stan	angecom)	Art Unit	2625	
(Use as many sheets as necessary)				Examiner Name	Joseph R. Pokrzywa	
Sheet	7	of	7.	Attorney Docket Number	121817.002.042	フ

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
73		April 1966, Apollo Unified S-Band System, NASA-Goddard Space Flight Center, Greenbelt, Maryland	
X		November 24, 19976, TELEXIS ViaNet General Information Booklet Version 1.3	
		2000, ViaNet 3000 Administrator's Manual Version 1.1-NetXpress Video by TELEXIS, Kanata, Ontario, Canada	
		1999, ViaNet 3000 Operator Manual Version 1.0 by TELEXIS-NetXpress Video, Kanta, Ontario, Canada	
		1999, viaNet 3000 Administrator Manual Version 1.0-NetXpress Video by TELEXIS, Kanata, Ontario, Canada	
V		1999, ViaNet 3000 Instruction Manual Operator's Revision 1-NetXpress Video by TELEXIS, Kanata, Ontario, Canada	
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Attorneys at Law 1609 Shoal Creek Blvd., Ste. 100 Austin, Texas 78701 Telephone (512) 499-8900 Facsimile (512) 320-8906

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/336 470	04/29/2008	7365871	07-0197	8448

67589 7590

04/09/2008

MOORE LANDREY 1609 SHOAL CREEK BLVD AUSTIN, TX 78701

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

David A. Monroe, San Antonio, TX;

IR103 (Rev. 11/05)

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 10/336,470 Filing Date 2003-01-03 INFORMATION DISCLOSURE First Named Inventor David A Monroe

Art Unit

Examiner Name

STATEMENT BY APPLICANT (Use as many sheets as necessary)

Safaipour, Houshang Attorney Docket Number 07-0197 Sheet 1

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 5,136,628	08-04-1992	Araki et al.	
		^{US-} 5,164,979	11-17-1992	Choi et al.	
		^{US-} 5,400,068	03-21-1995	Ishida et al.	
		^{US-} 7,372,447	05-13-2008	Jacobsen et al.	
		^{US-} 5,042,061	08-20-1991	Kaneko et al.	
		^{US-} 5,485,504	01-16-1996	Ohnsorge	
		^{US-} 7,310,072	12-18-2007	Ronzani et al.	
		US-			

-		FOREI	GN PATENT DOCL	JMENTS	·	
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
		JP03089691	04-15-1991	Yamamoto		
						l

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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- A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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- A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

PATENT ABSTRACTS OF JAPAN

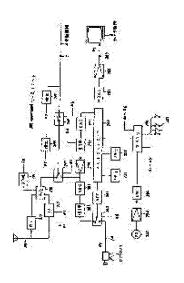
(11)Publication number: 03-089691(43)Date of publication of application: 15.04.1991

(51)Int.Cl. H04N 7/14

(21)Application number: **01-225686** (71)Applicant: **SONY CORP**

(22) Date of filing: 31.08.1989 (72) Inventor: YAMAMOTO TADAHISA

(54) VIDEO TELEPHONE SET



(57) Abstract:

PURPOSE: To improve operability and convenience of use by dividing a video telephone set into a handset and a base unit, adopting the wireless system for the handset and mounting externally a video camera and a display device to the base unit.

CONSTITUTION: A video telephone set is divided into a handset 100 and a base unit 200, and a camera 5 and a television receiver 6 are integrated with the base unit 200. Then it is devised that processings such as an outgoing call, an incoming call, talking, pickup of a picture to be sent to a party opposite, transmission of a picture data and display of picture data from the party opposite are executed from the handset 100. Since an opposite picture is displayed on a television receiver 6 with a large screen size, detailed communication is realized. Moreover, since the camera 5 is mounted externally, various

kinds of cameras such as a camera with an automatic iris mechanism can be used and the picture quality is improved.

Electronic Acknowledgement Receipt					
EFS ID:	5324954				
Application Number:	10336470				
International Application Number:					
Confirmation Number:	8448				
Title of Invention:	APPARATUS FOR CAPTURING, CONVERTING AND TRANSMITTING A VISUAL IMAGE SIGNAL VIA A DIGITAL TRANSMISSION SYSTEM				
First Named Inventor/Applicant Name:	David A. Monroe				
Customer Number:	67589				
Filer:	Jeffrey Darryl Hunt/Jacob Cowart				
Filer Authorized By:	Jeffrey Darryl Hunt				
Attorney Docket Number:	07-0197				
Receipt Date:	13-MAY-2009				
Filing Date:	03-JAN-2003				
Time Stamp:	11:00:02				
Application Type:	Utility under 35 USC 111(a)				

Payment information:

Submitted wi	th Payment	no						
File Listing:								
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)			
1	Information Disclosure Statement (IDS)	07-0197.pdf	271554	no	2			
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National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

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PTC/SB/81 (01-08)
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Filing Date	01-03-2003
First Named Inventor	David A. Monroe
Title	APPARATUS FOR CAPTURING, CONVERTING AND TRA
Art Unit	2825
Examiner Name	SAFAIPOUR, HOUSHANG
Attorney Docket Number	07-0197

I hereby revoke all previous powers of attorney given in the above-identified application.											
A Pow	ver of Atto	rney is submitted here	with.							····	
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Applicant/Inventor.											
Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on 016824/0514											
SIGNATURE of Applicant or Assignee of Record											
Signature		Myo					Date			204	
Name		David A. Monroe					Telephone	832-57	3-74	42	
Title and Company President, E-Watch Inc. NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one											
alignature is required, see below".											
*Total of forms are submitted.											

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APPLICATION NUMBER 10/336,470

FILING OR 371(C) DATE 01/03/2003

FIRST NAMED APPLICANT David A. Monroe

ATTY. DOCKET NO./TITLE 07-0197

CONFIRMATION NO. 8448 POA ACCEPTANCE LETTER

76731 Robert C. Curfiss Law Office of Robert Curfiss 19826 Sundance Drive Humble, TX 77346-1402

Date Mailed: 03/17/2011

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/07/2011.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

/sibrahim/

Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101



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APPLICATION NUMBER FILING OR 371(C) DATE FIRST NAMED APPLICANT ATTY. DOCKET NO./TITLE 10/336,470 01/03/2003 David A. Monroe 07-0197

67589 MOORE LANDREY 1609 SHOAL CREEK BLVD SUITE 100 AUSTIN, TX 78701

CONFIRMATION NO. 8448 POWER OF ATTORNEY NOTICE

Date Mailed: 03/17/2011

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 03/07/2011.

• The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

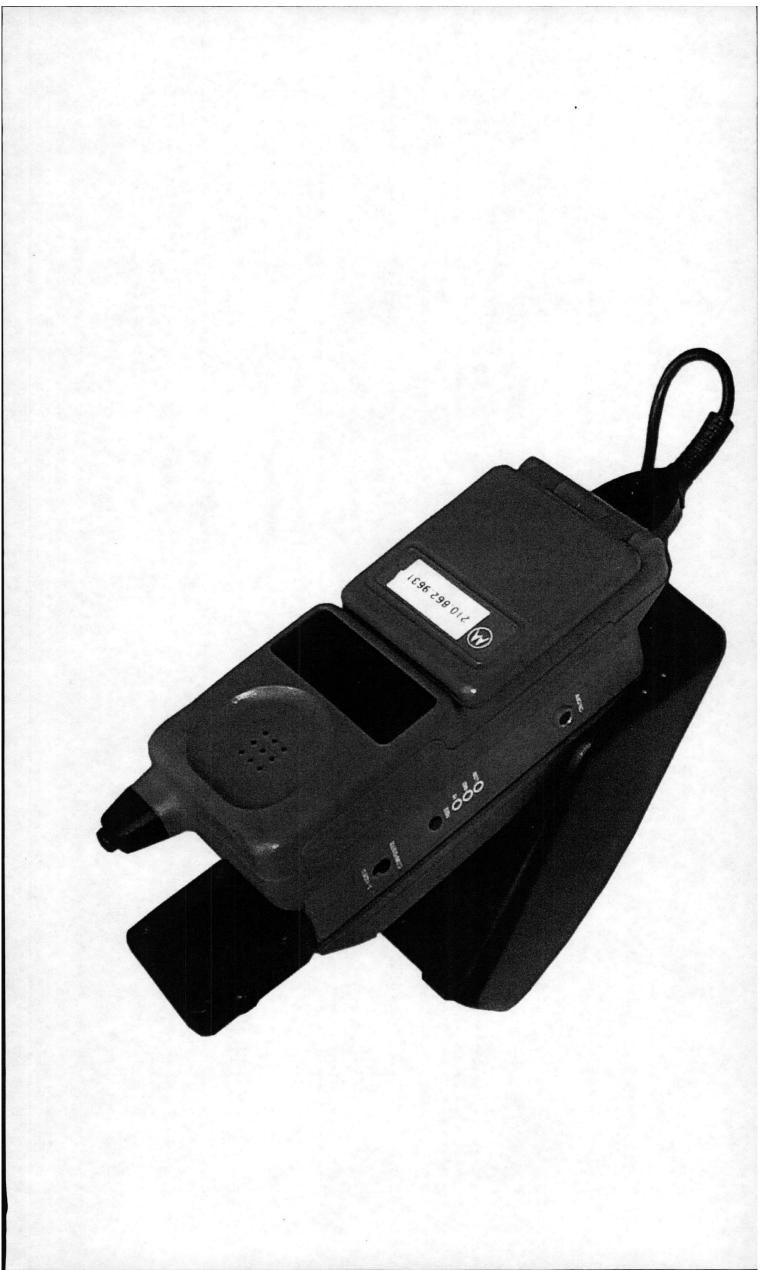
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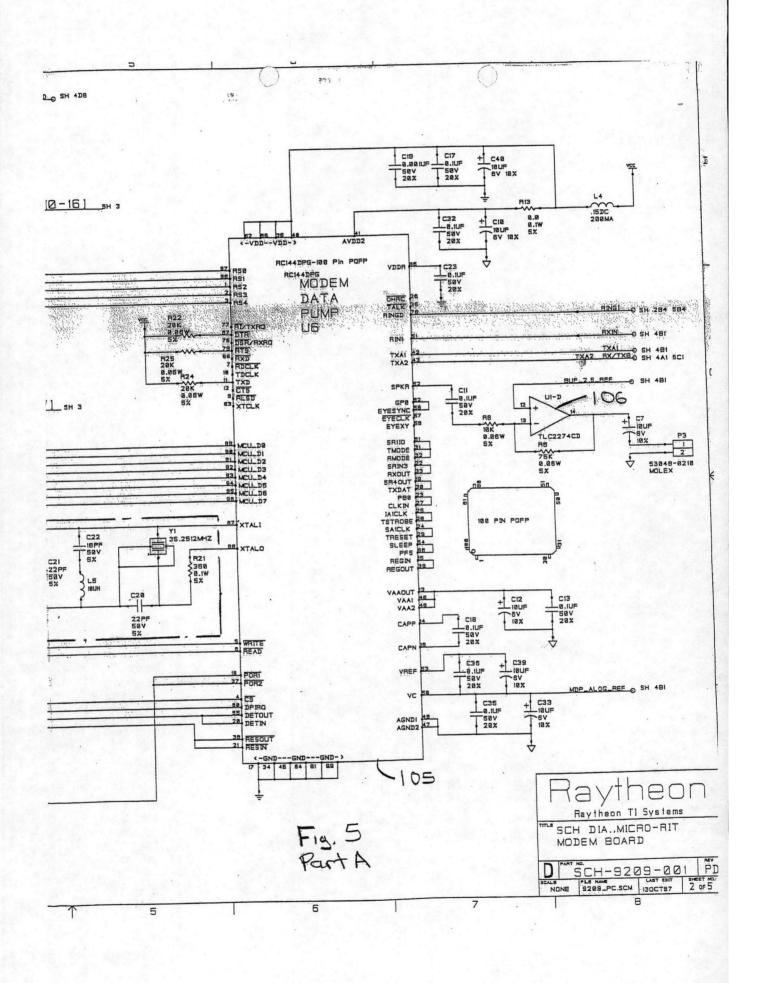


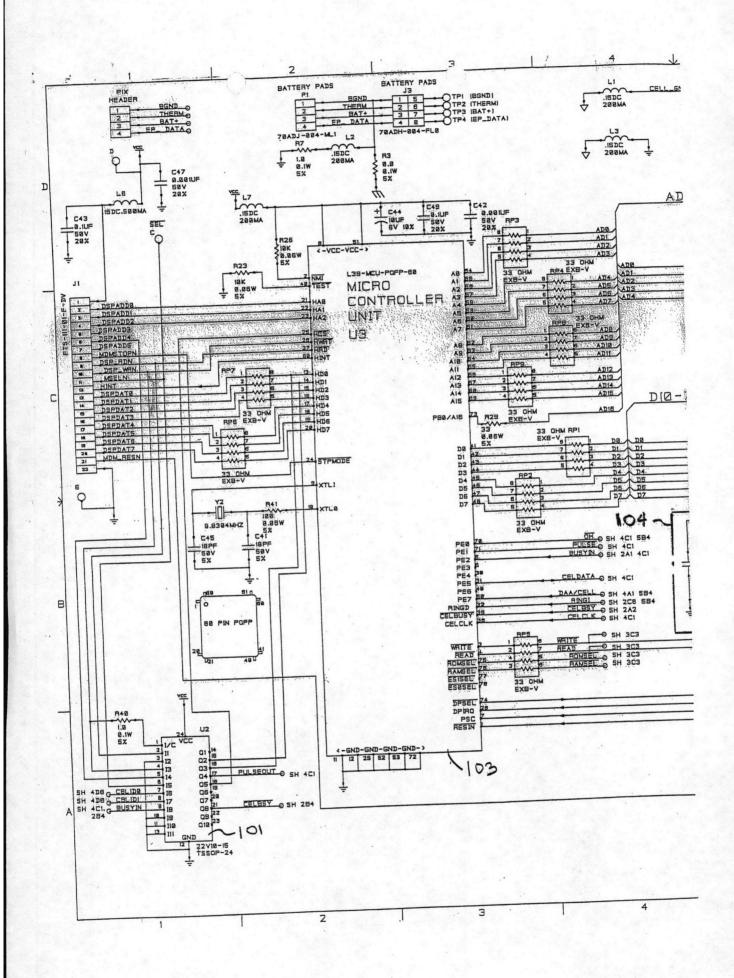


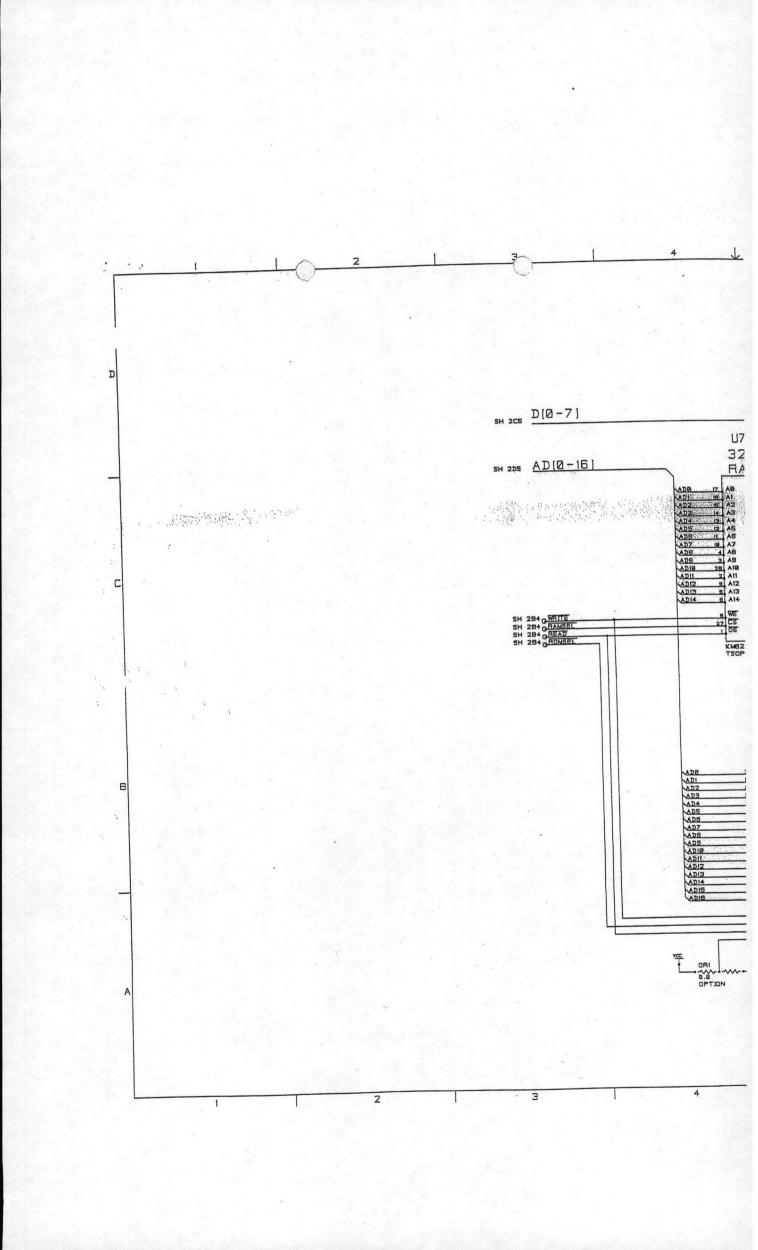


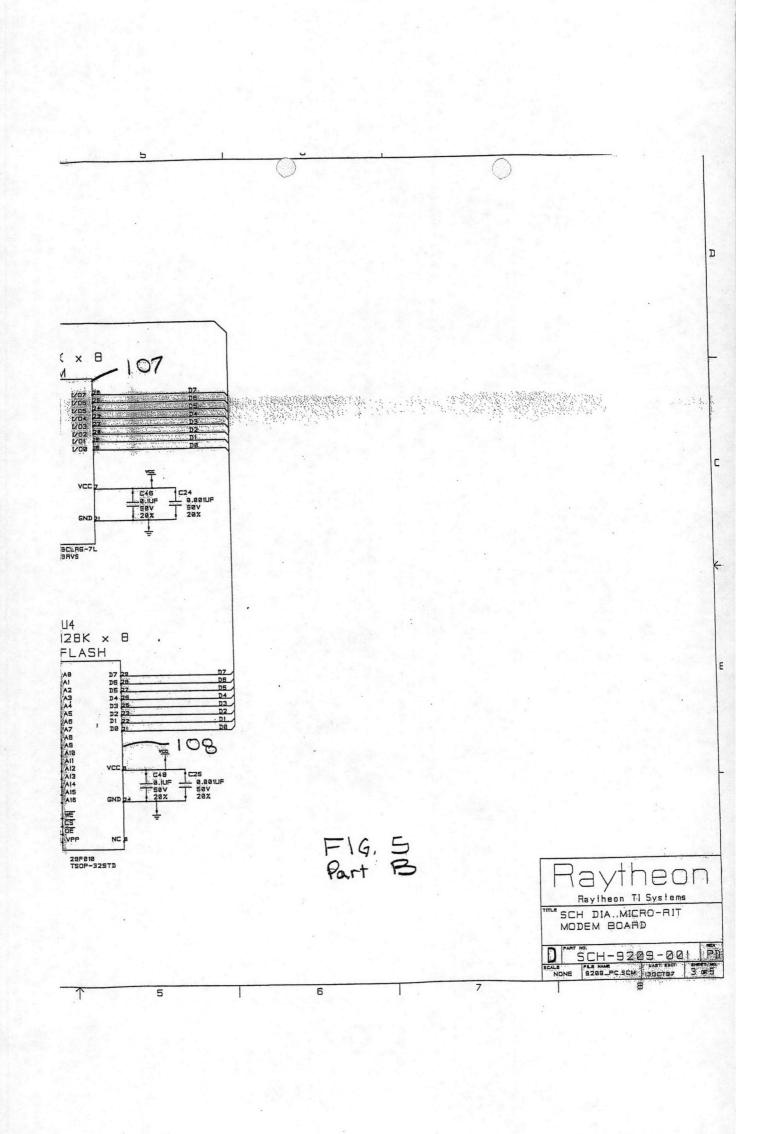


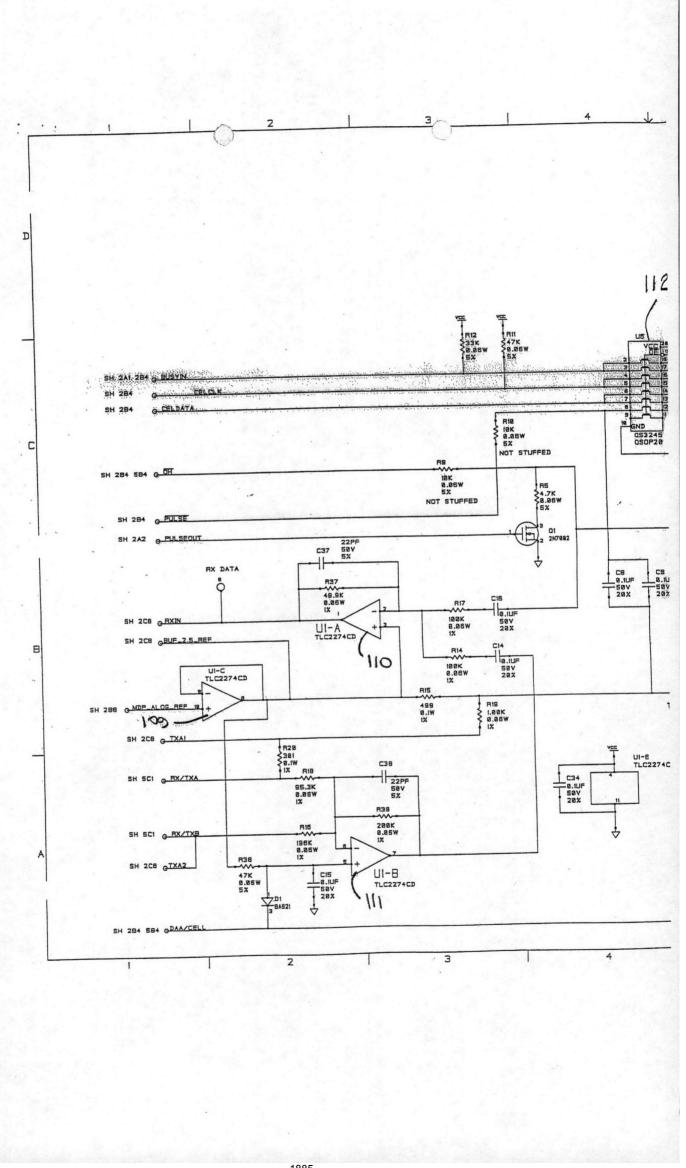


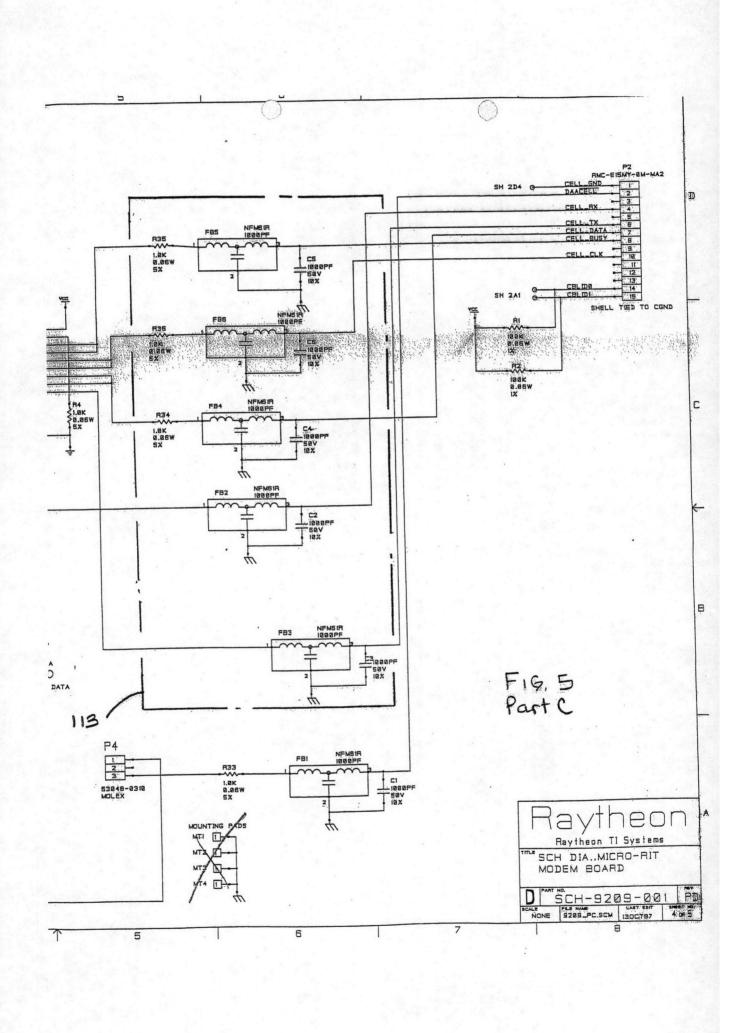


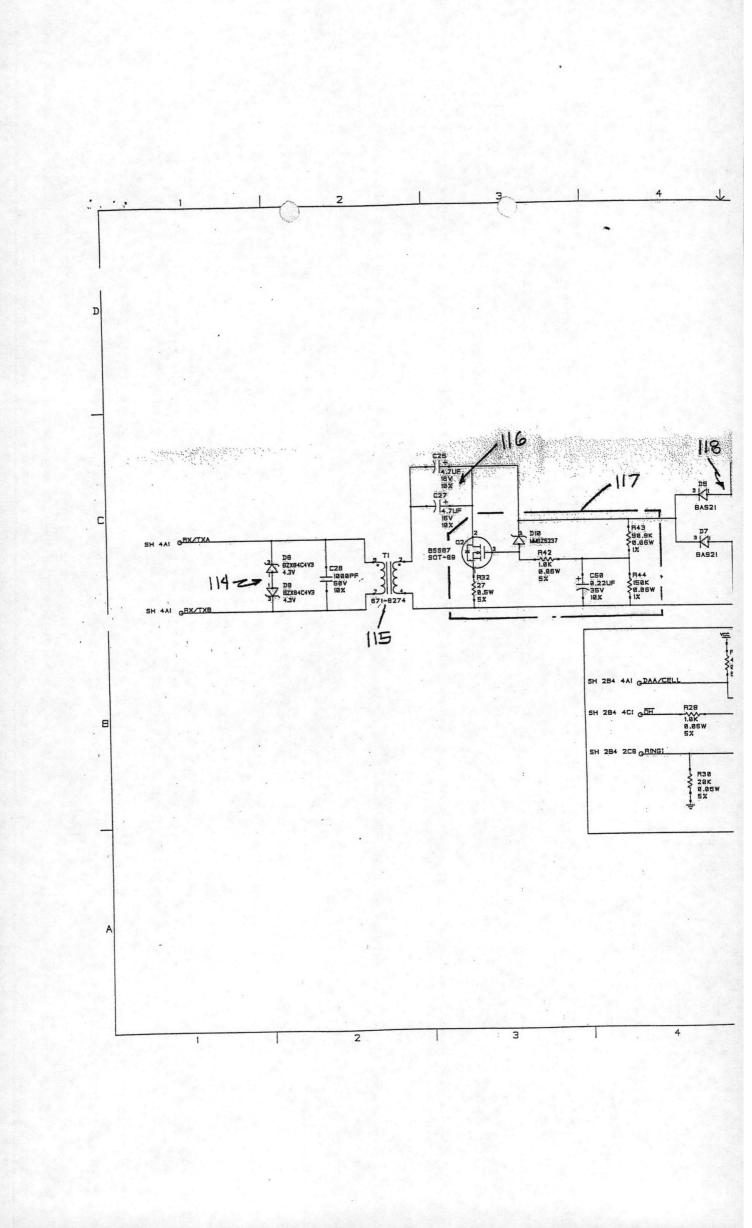


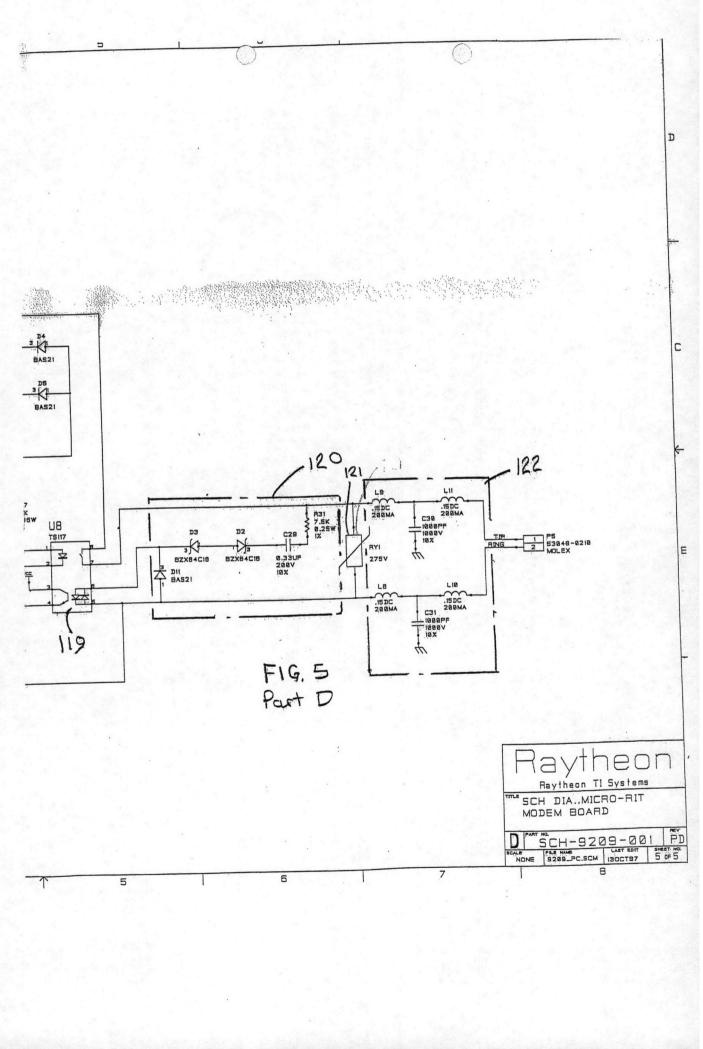


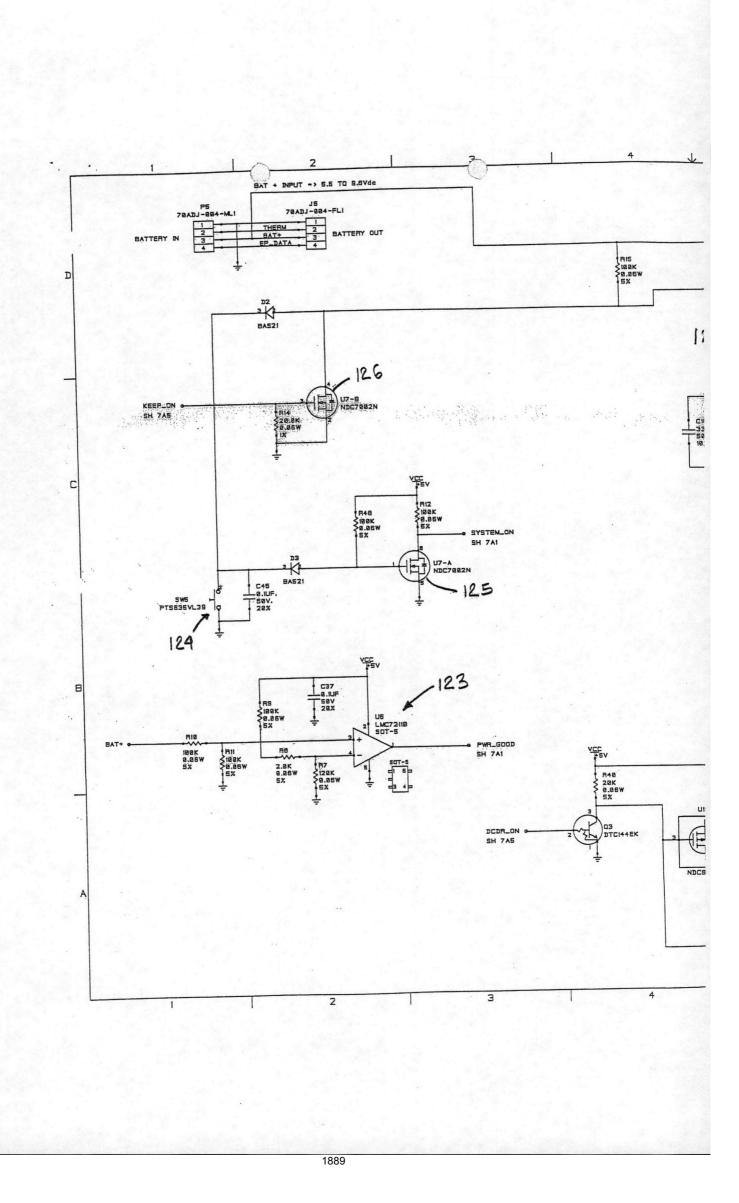


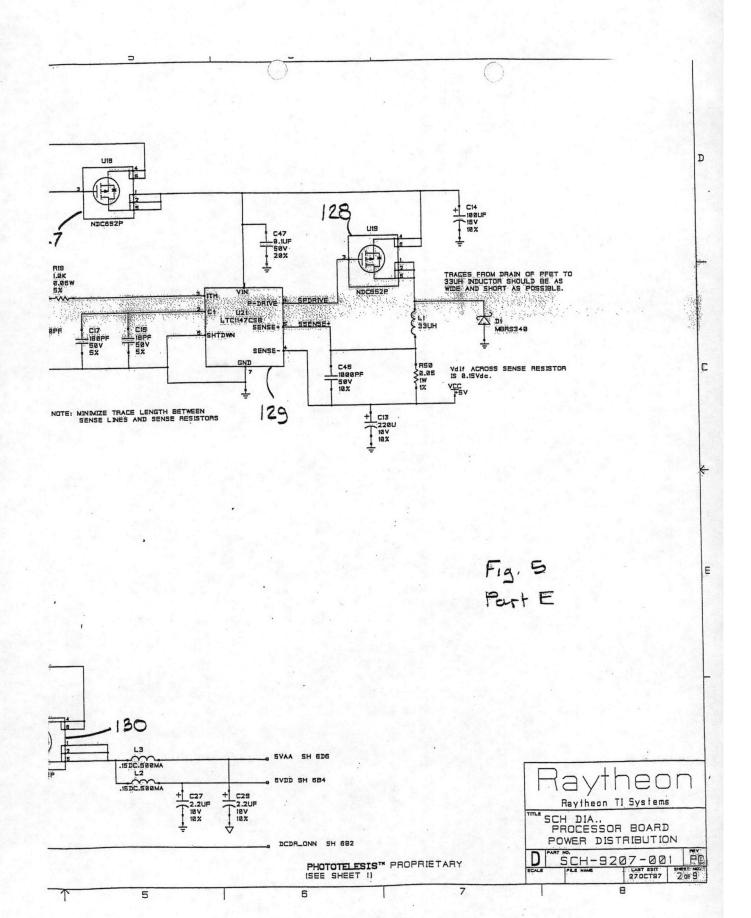


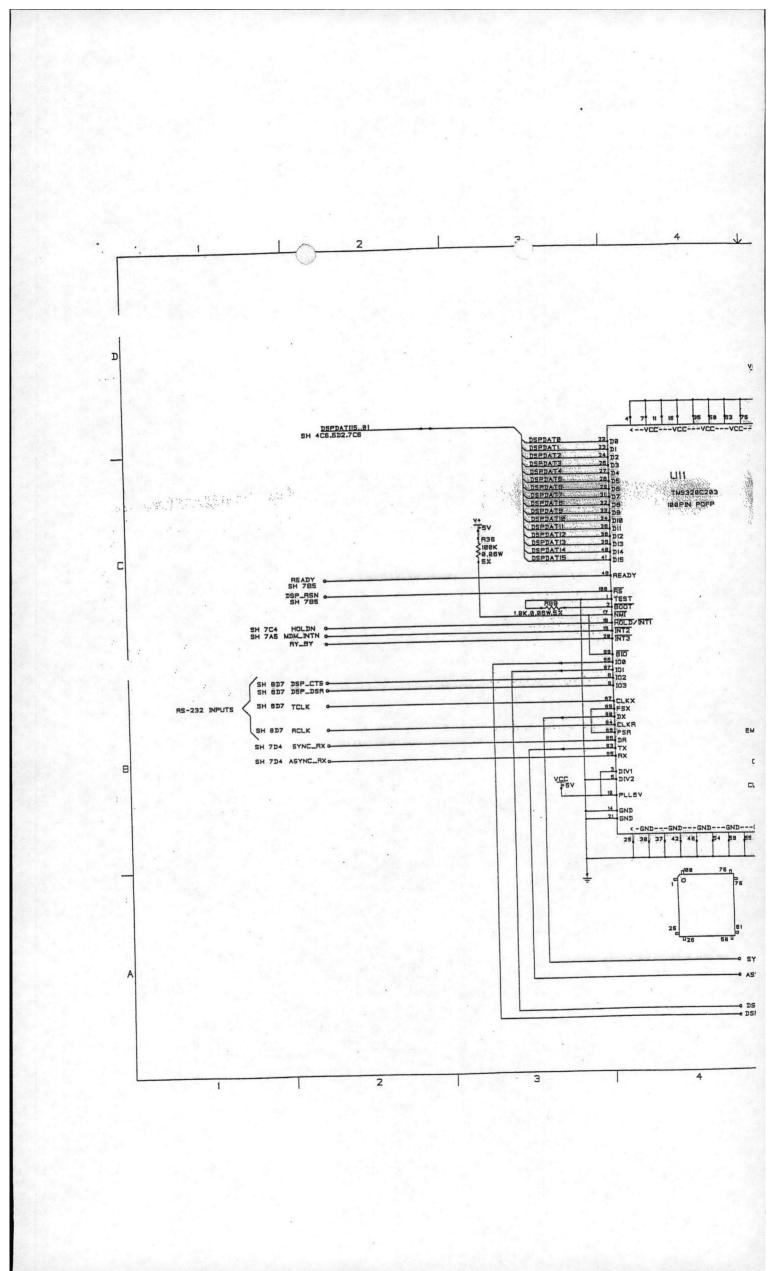


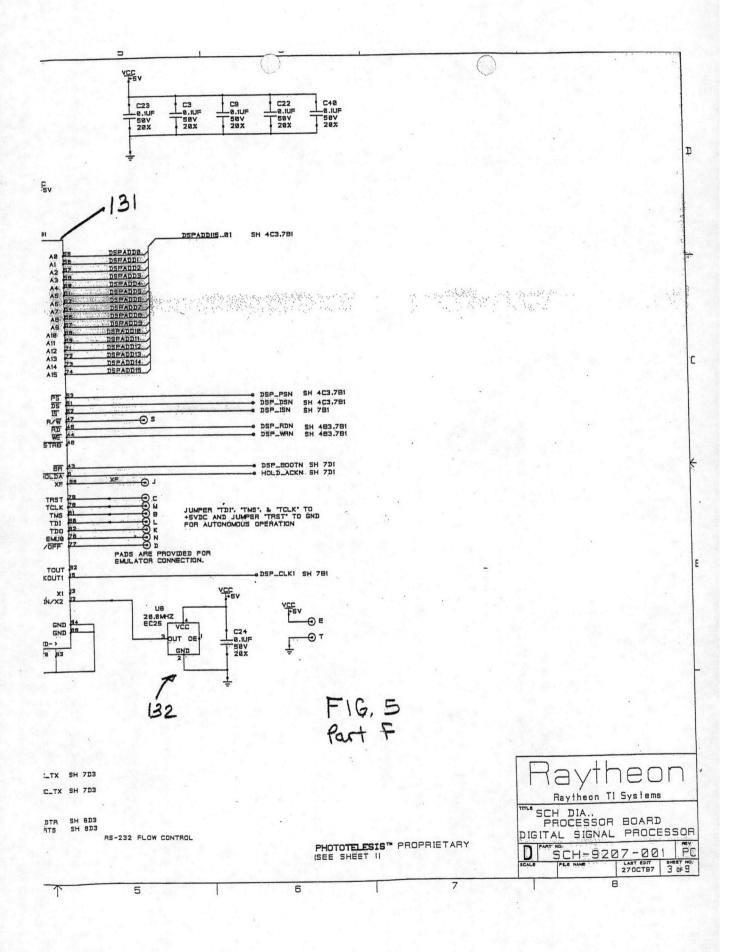


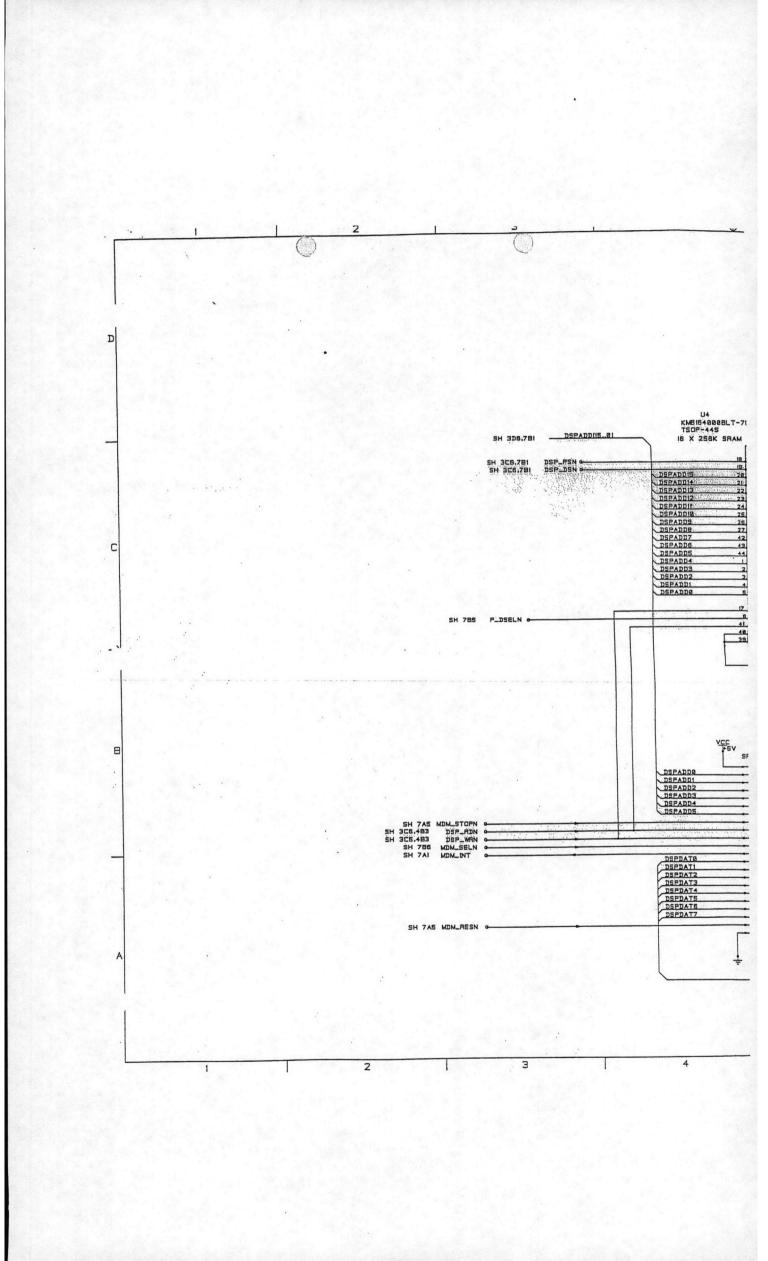


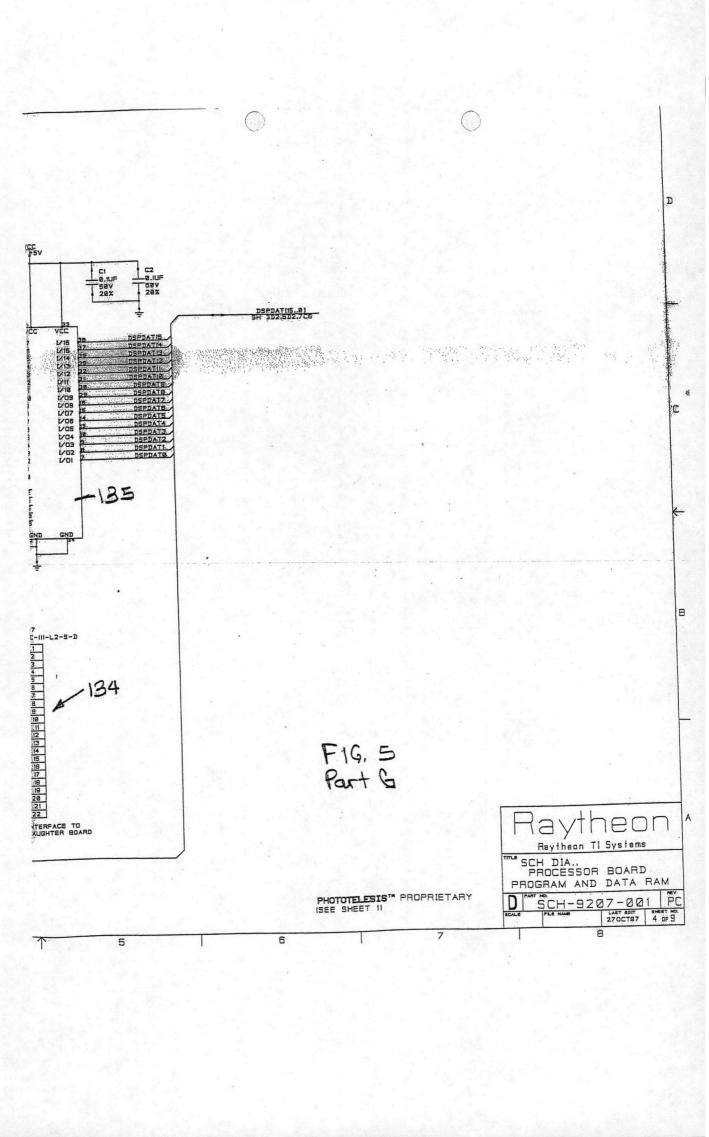


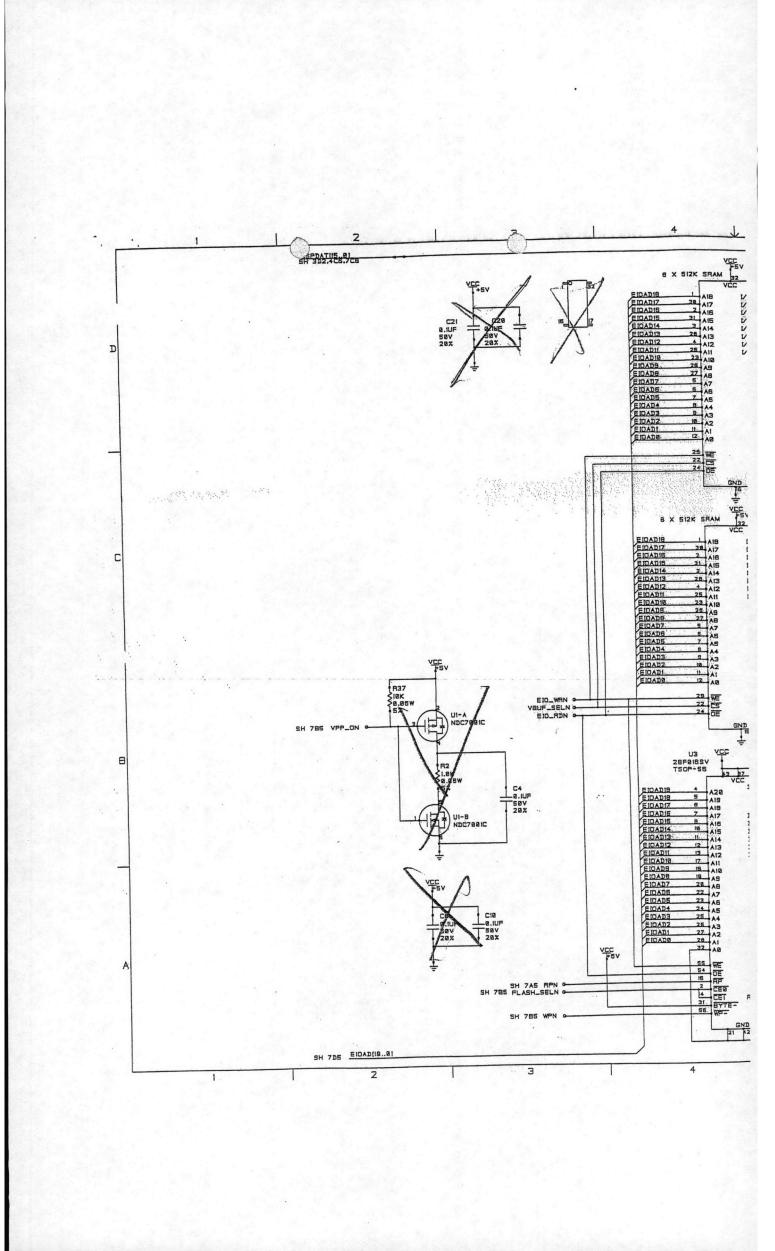


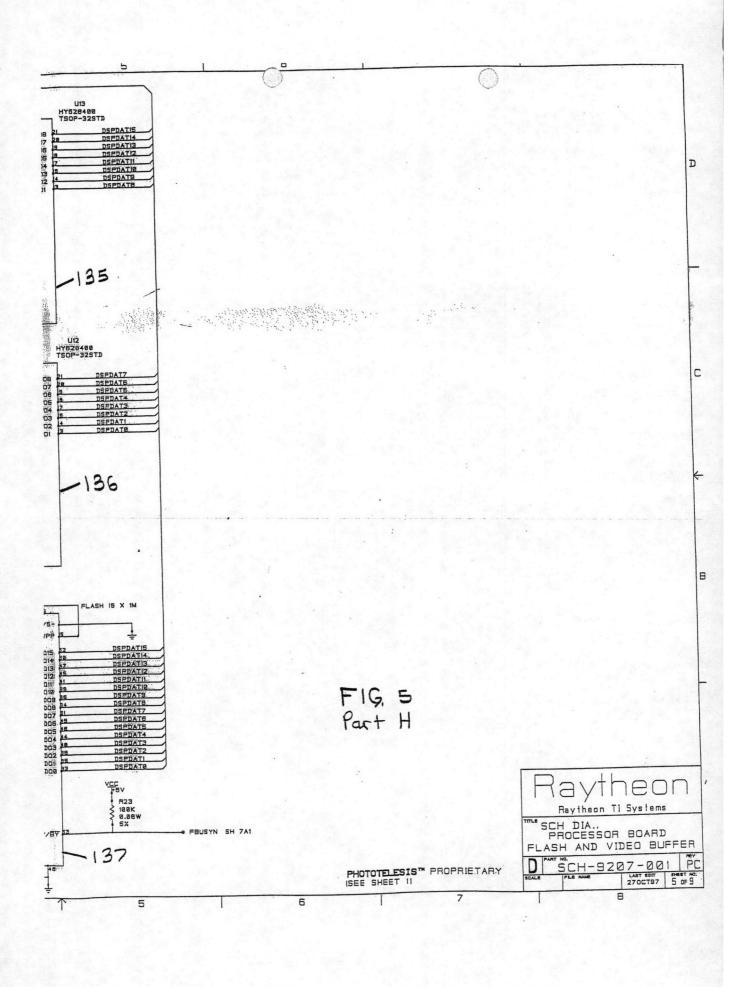


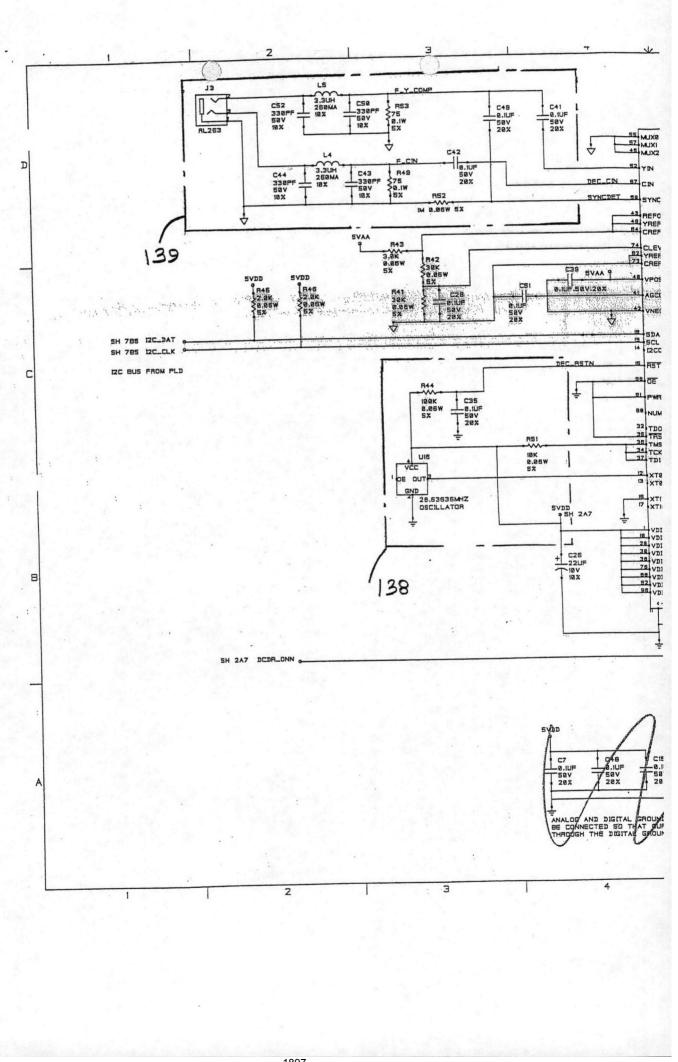


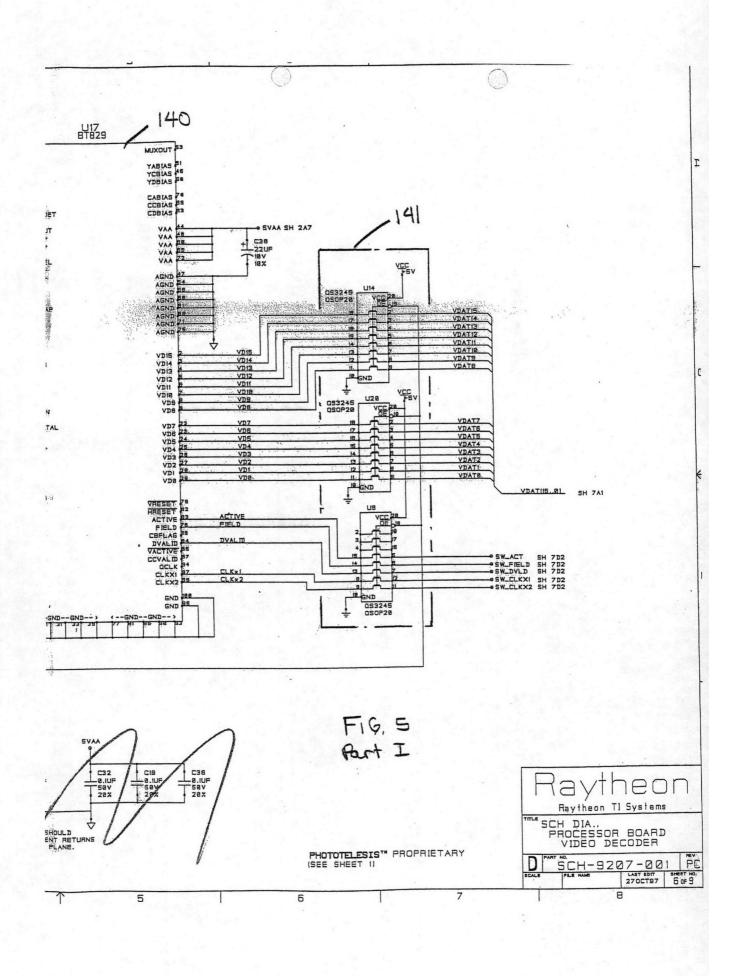


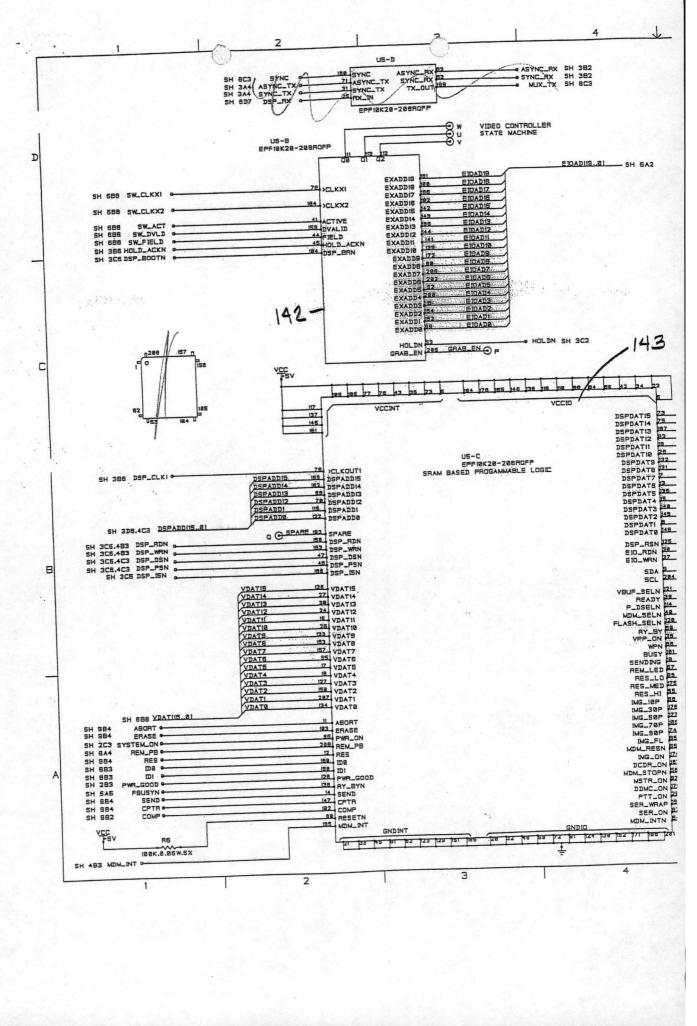


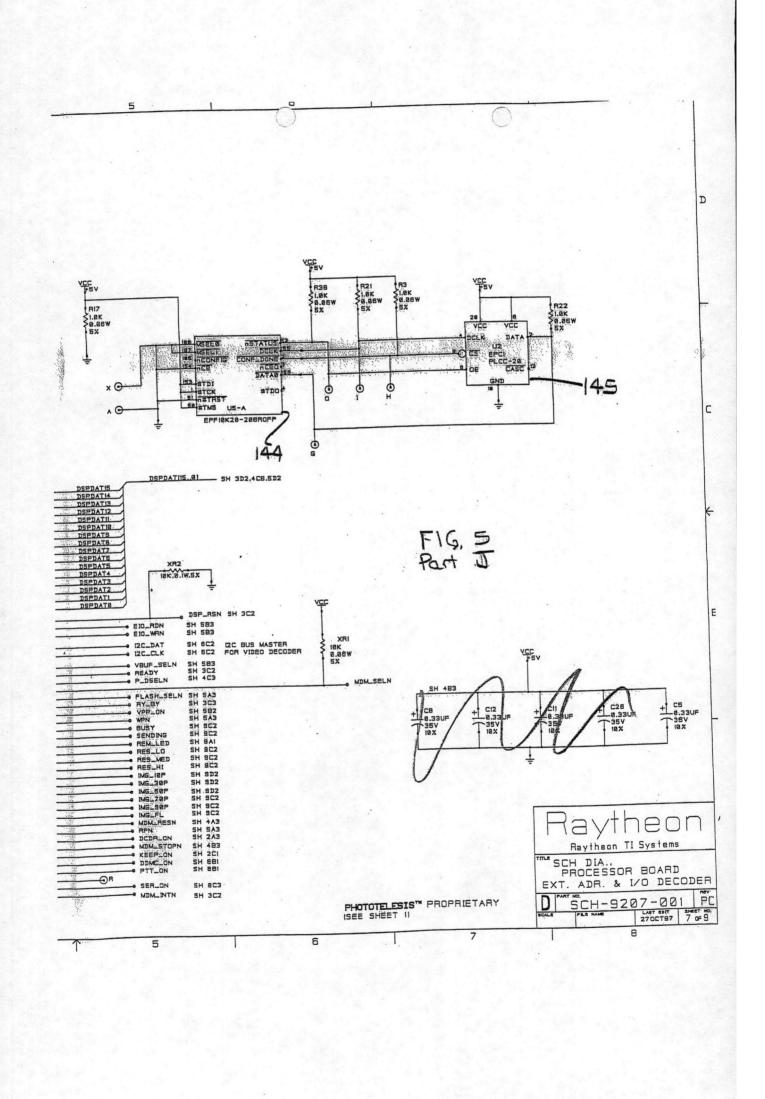


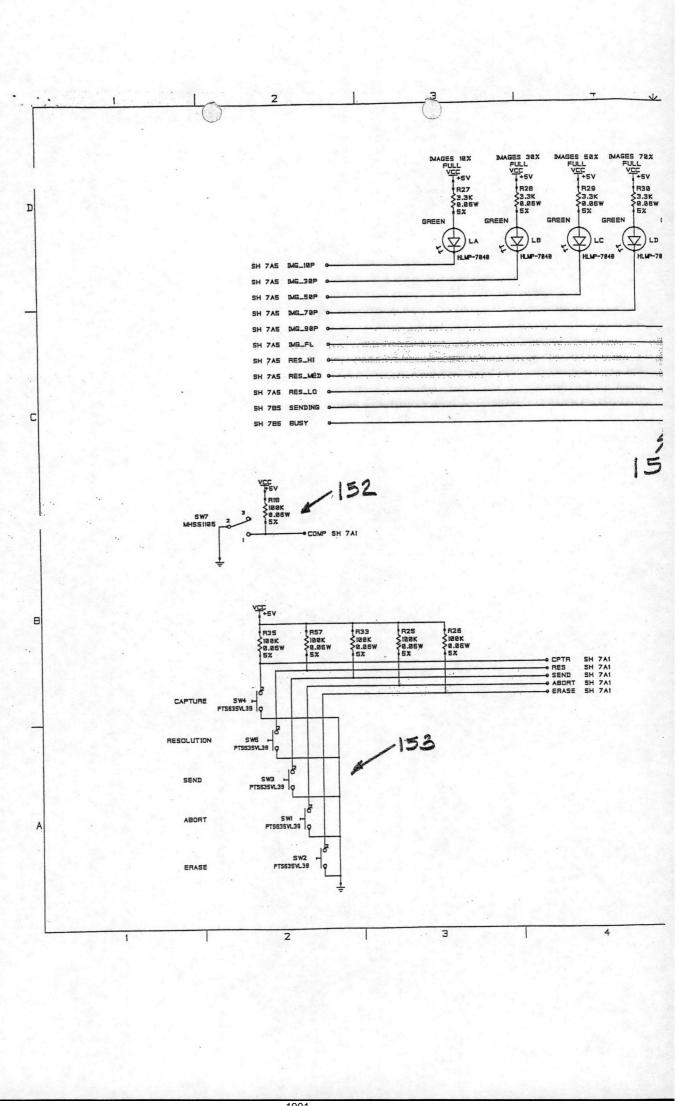












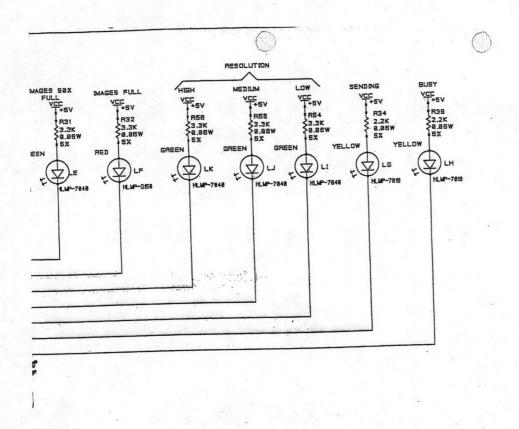
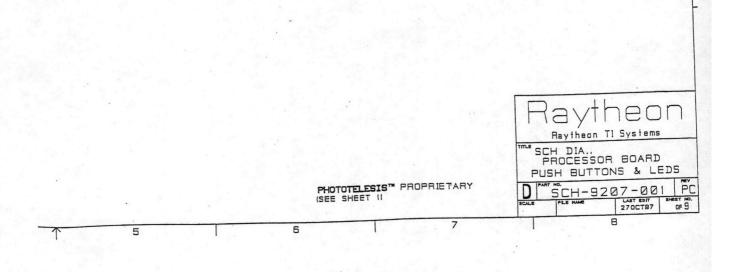
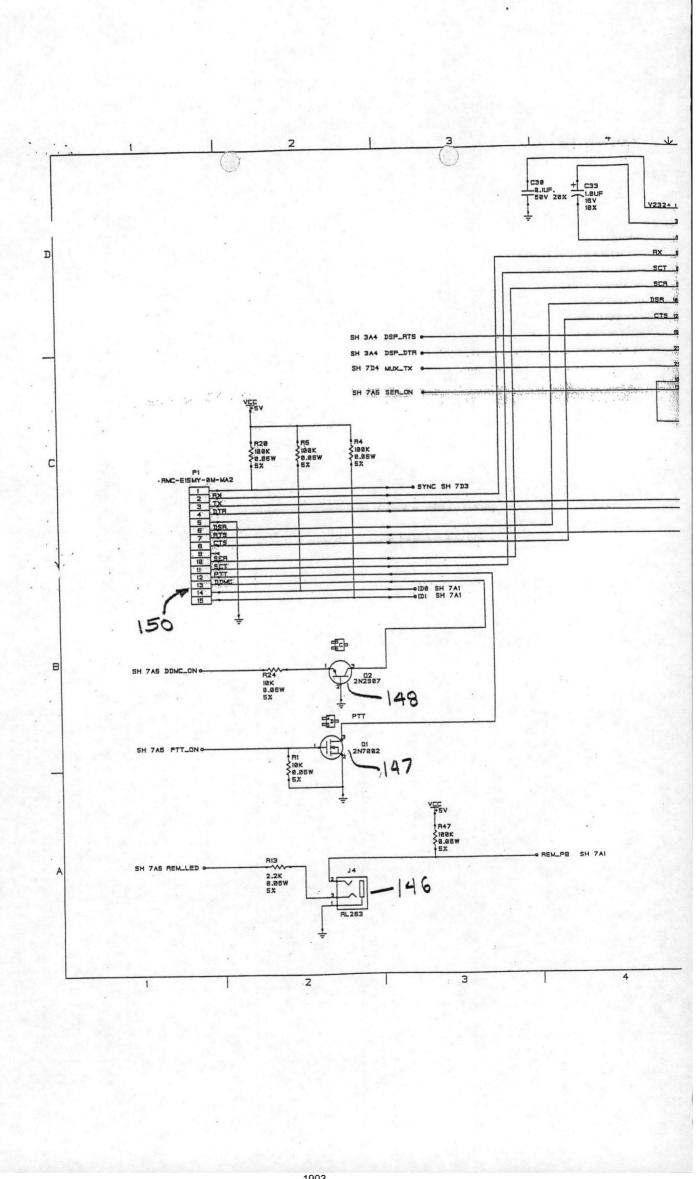
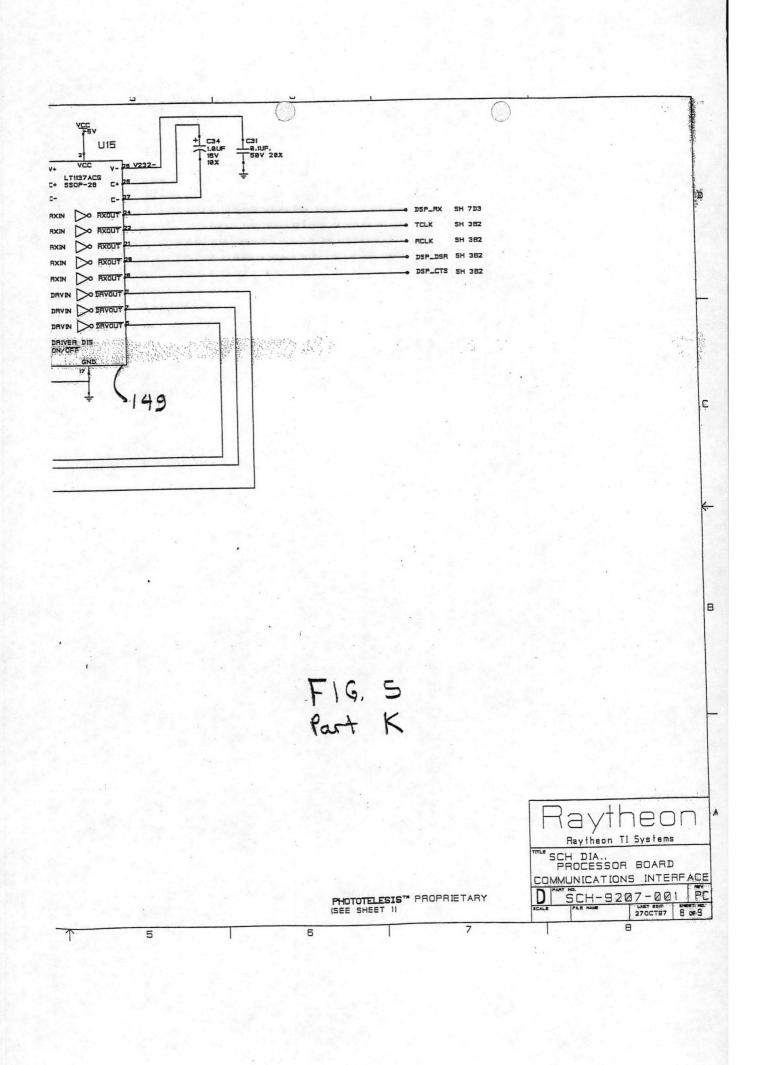


FIG. 5
Part L

D













MicroRit

PhotoTelesis Image Transmission Th

Patent Panding

7800 IH-10 West. Suite 700 San Antonio Tx 78230-4753 Tel:210 349 2020 Fax 210 341.1020





MicroRITTM Proposal

Table of Contents Section 1 - Executive Summary 1.0 PhotoTelesis Background 1.1 Texas Instruments Background 1.2 The Combined Team 1.3 Program Background Section 2 - Technical Approach 2.0 Capturing Video 2.1 Video Demodulation 2.2 Image Compression 2.3 Image Storage 2.4 Communications 2.5 User Interface 2.6 Hardware 2.6.1 Packaging 2.6.2 Hardware Implementation 2.6.3 Memory 2.6.4 I/O Ports Power Sources 2.6.5 Section 3 - Cost 3.0 Schedule GFE 3.1 3.2 Personnel 3.3 Attachments Section 4 - Product Specifications Section 5 - Drawing and Block Diagram Section 6 - Schedule Section 7 - Cost Detail Section 8 - Personnel Resumes

SECTION 1

EXECUTIVE SUMMARY

MicroRIT[™] Proposal

2 November 1995

EXECUTIVE SUMMARY

This unsolicited proposal describes a state-of-the-art image transmitter that is specifically designed for field agent applications with handheld and vehicle mounted digital/secure radios. The MicroRIT image transmitter will capture and transmit high quality monochrome or color images over typical radio circuits, such as the Government Saber Secure Radio on the B-Radio net or commercial cellular phone circuits. The MicroRIT is unique because it can transmit a high quality image in ten to twenty seconds from a unit that is small, low power, and *low cost*. This unique capability is currently unavailable and is crucial for field law enforcement applications.

This MicroRIT miniaturized image transmitter proposal is submitted by PhotoTelesis, a Business of Texas Instruments Incorporated. The PhotoTelesis group is a world leader in Tactical Image Transmission technology, and Texas Instruments (TI) is a world leader in Digital Signal Processing technology and Micro Electronics technology. The proven track records and technology bases of the PhotoTelesis/TI combined team places this technically challenging program well within reach.

1.0 The PhotoTelesis Organization Background:

PhotoTelesis has a 10 year history of specialization in Government tactical image transmission. PhotoTelesis is the leader in tactical transmission of monochrome or color imagery, captured from either television or digital cameras over Government secure radios, Government satellite circuits, and commercial cellular and satellite radios.

The company has installed more than 1000 systems within the Army, Navy, Air Force, Special Operations, Federal Law Enforcement, and Intelligence groups. These systems have been used in classified and unclassified operations. The PhotoTelesis name has become well known as the leader in the tactical image transmission field.

The PhotoTelesis comprehensive product line provides users with a full complement of hardware and software, to support operation from various platforms, including:

- ⇒ Man Portable Applications
- ⇒ Covert Operations
- ⇒ Aircraft Platforms
- ⇒ Ground Vehicle Platforms
- ⇒ Portable Base Stations.
- ⇒ Fixed Base Stations

The tactical communications functions of the PhotoTelesis products include:

- ⇒ Distribution of images, text and data over all government secure voice bandwidth circuits.
- ⇒ Database Archiving of stored images and text data.
- ⇒ Traditional Data Processing activities in MS-DOS and Windows
- ⇒ Interoperability with Government NITFS 2.0 "National Imagery Transmission Systems"

Distinctive Competence

A unique blend of Independent Research and Development, combined with commercial off-the-shelf technology, has allowed PhotoTelesis to offer products with innovative designs and superior performance at competitive prices. The modular construction of products allows easy technology insertion of hardware and software enhancements lowering life cycle costs.

The success of PhotoTelesis can be attributed to a commitment to service and providing solutions to our customer problems. Our reputation has been earned by focusing our expertise in the following key areas:

- Reliable/Dependable Transmission of Data. Imagery and Data can be sent from a harsh tactical environment where air time for transmissions is limited. Users depend upon their equipment to transmit images and data reliably over wideband SATCOM or narrowband communication channels. To compensate for natural and man-made noise, PhotoTelesis' proprietary protocols incorporate error correction techniques and compression algorithms that provide both efficient and reliable transmissions. These message and image transmission protocols are specifically designed for noisy narrow-band radio communications, and are currently heavily used in operations involving Command, Control, Communications, and Intelligence (C4I) applications.
- Ease of Operation for the User. The operational simplicity and versatility of both hardware and software design allow non-technical user compatibility with a wide range of cryptologic devices, secure telephones, and radios. The systems are designed to be automatically configured by cable connections reducing hardware damage by operator error. The equipment is built with user friendly interfaces (GUI) or a menu driven screen.
- <u>Products for Various Platforms</u>. The company has focused on customer requirements to develop, with IR&D funds, products used on various platforms, i.e., vehicle, aircraft, and manportable units. This has resulted in building a repertoire of off-the-shelf products for Aircraft, Special Operations, and Law Enforcement.
- Rapid Product Development. PhotoTelesis has reduced the time and cost of product development, from product definition through design, development, and pilot production. This is accomplished by significant technology re-use, in conjunction with strong specialized skill sets of the engineering team. The majority of the PhotoTelesis products have been sold as Non-

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Developed-Items on Indefinite Delivery Order or Fixed Priced Contracts, thus reducing customer financial and technical risks.

1.1 Texas Instruments (TI) Incorporated Background:

Texas Instruments has diverse capability in micro-electronics, Government, commercial, and consumer products. TI is a high technology company with sales or manufacturing operations in more than 30 countries; a major supplier of integrated high performance EO based fire control systems, high performance processors, thermal sensors, missile systems, and radar components to the U.S. Department of Defense (DoD). The MicroRIT program will utilize several key TI capabilities:

TI is a world leader in Digital Signal Processing (DSP) technology. The DSP is key to the MicroRIT's small size, low power, and low cost. Commercial technology and the capability for high volume production also provide opportunity for significant unit cost reductions, allowing for *extensive* deployment of the technology at a *very affordable* cost.

1.2 The Combined PhotoTelesis/Texas Instruments Team:

On August 18, 1995, PhotoTelesis Corporation was acquired by Texas Instruments Incorporated. PhotoTelesis' expertise with tactical image transmission combined with the financial strength of Texas Instruments offer our customers innovative and cost effective tactical imaging product solutions.

PhotoTelesis and Texas Instruments have a two year continuing history of cooperation and teaming on other Government imagery programs, including the US Army Hunter Sensor Suite program and the Lightweight Video Reconnaissance System (LVRS) program.

PhotoTelesis/Texas Instruments is excited about the opportunity to provide new state-of-the-art capability through more closely integrated efforts on the part of all team members.

1.3 The Program Background:

Tactical Imagery has proven to be the most efficient and quickest means to distribute critical information to the decision maker. Imagery in the field can provide agents with near-real time secure surveillance that improves their situational awareness, suspect identification capability, and thus, reduces allocation of limited personnel resources. Unfortunately, both military and commercial products used for transmission of Tactical Imagery are currently unsuitable for law enforcement because the military products are too large and too expensive, and the commercial products are too large and are not capable of operation over Government tactical radio circuits.

Current-generation-Remote-Image-Transceivers (RIT's) manufactured by PhotoTelesis are in operation over the Motorola digital radio systems owned by the Government for the purpose of transmitting secure (encrypted) imagery from mobile platforms to fixed sites.

Still Imagery is being transmitted using the SABER II, with the Secure INDICTOR option, at 12Kbps. A primary requirement of maintaining minimum data transmission times and a quick restoration of the radio-to-voice communications have been met in product demonstrations of this capability. At a recent test, using the PhotoTelesis man-pack TAC-RIT, monochrome images at a resolution 592 by 440, 8-bit pixels were transmitted in 8 seconds using Wavelet compression, and 21 seconds using industry standard JPEG compression.

This proposal describes an engineering program that miniaturizes the PhotoTelesis current capability into a very small, covert, low power Remote Image Transmitter (MicroRIT) specifically designed for agent use. The primary goals for field agent use are:

- ⇒ Very Small Size (Cellular phone size)
- ⇒ Low Power (2-4 watts)
- ⇒ Simple User Interface

- ⇒ Fast Transmission Time
- ⇒ Monochrome or Color Use

TECHNICAL APPROACH

TECHNICAL APPROACH

Until the advent of small, low power digital signal processor (DSP) semiconductors, the MicroRIT was unfeasible. Now, however, such DSP's allow the design of very small, but highly sophisticated data acquisition and processing devices. In fact, the DSP component is the heart of the MicroRIT, controlling all aspects of its operation from video acquisition, to image compression, to tactical communications protocol, to user interface.

A digital signal processor, or DSP, is a special type of microprocessor that has been highly optimized for numerical computations (namely digital signal processing) which involve long sequences of multiplication and addition operations. Digital filters, spectrum analyzers, and data compression algorithms fall squarely in this category. While the DSP is not often used as a generalized host processor (such as an 80486, Pentium, or 68000), it can certainly be used as a host CPU. Because of the particular hardware optimizations that were implemented for digital signal processing, a DSP tends to have smaller address spaces (under 1 megabyte) and less support for string-oriented operations (for handling character strings). However, several DSP variants can quite easily be used as an embedded controller and signal processor - obviating the need for two separate processors. This often simplifies the hardware design and interprocessor communications mechanisms.

The MicroRIT was conceptualized specifically with a DSP as the system controller in mind to reduce the size and power requirements of the unit. In addition, to controlling the overall system function, the DSP is responsible for controlling the digitization of video, the compression of this captured video, and the communications protocol and link-layer interface. These functions would occur serially. That is, it would not be possible to be capturing video while sending a compressed image at the same time. This one-at-a-time restriction is due to two problems. The first is the limited amount of multi-tasking support in the DSP architecture. Few DSP operating systems are available that support preemptive multi-tasking. The second is the limited address space of the DSP. Many DSP's have a fairly limited address space - often under 64K words! This will require that both the codespace and the dataspace be page-swapped. Page-swapping essentially means that only one software function can be active at a time - which implies the serial nature of the major functions.

2.0 Capturing Video

A conventional frame grabber contains a great deal of circuitry necessary for demodulating the video signal, identifying and triggering off the vertical sync signal, stripping the sync signals from the image data, digitizing the demodulated data, and storing it in a dual-ported RAM. This is required because the host processor has neither access to the raw video signal, nor the processing power to execute these functions in a real-time fashion. The DSP used in the MicroRIT approach, will however, be controlling the video digitization while itself does the vertical sync identification. External analog-to-digital converters (ADC) will still be used to digitize the video signal, rather than using any onboard ADC capabilities of the DSP chip, because most DSP ADC's are not fast enough to digitize at video rates (at least those DSP's that-can meet our low-power requirements). Another subtle point about this approach is that video need only be digitized on user demand. This implies that the video ADC circuitry only has to be energized for 1-2 frame times to acquire the image. Video ADC's can consume several watts if left free running. The non-requirement for video output allows this digitization-on-demand

approach that should significantly help reduce size, weight, and heat dissipation, as well as extend battery life.

2.1 Video Demodulation

A color video signal, in particular a composite color video signal, carries the luminance and color (chrominance) information in different frequency bands. Usually, an analog filter is used to separate these signals into two analog channels that can then be digitized separately. In order to save power and space in the MicroRIT, we will perform this demodulation in software running on the DSP after a frame's worth of video data has been captured. Even an S-Video signal carries two color channels on the chrominance signal (which is physically separated from the luminance channel). The same type of software demodulation will be done on the S-Video chrominance channel for S-Video. The video demodulation is performed after a frame acquisition, not during. This is significant because it restricts the MicroRIT to performing system functions in a serial fashion. That is, one high level function after another is performed by the central processor (the DSP). There is no multitasking of system functionality in the MicroRIT. This is due in part to the lack of multitasking DSP operating systems as well as the somewhat limited addressing capability of today's DSP's (under 1 megabyte of codespace). Thus, after the user specifies that an image is to be acquired, the video digitization circuitry powers up, acquires a frame of video data, and passes control to the video demodulation software which then separates luminance from the color signal by a digital filter.

2.2 Image Compression

After the image has been digitized, separated, and demodulated by the system DSP, it will be compressed with either the JPEG or PhotoTelesis wavelet image compressor. This choice is user selectable (via the set of buttons and alphanumeric display). The wavelet compressor is well suited to the S-Video type of input since it was designed to work on L/Cr/Cb video data. Like all other PhotoTelesis implementations of the wavelet codec, the user will be able to select several choice of compression ratio and/or "quality". PhotoTelesis is constantly improving its image compression technology. These improvements affect compression/decompression time and image quality. They also affect compression features such as, quality specification (Q-Factor), multiresolution compression, and industry standardization. The contractor will strive to incorporate image compression improvements into the MicroRIT product, subject to the program schedule.

2.3 Image Storage

There will be enough battery-backed SRAM within the MicroRIT to hold 40 wavelet compressed color images. These can be held on-board until downloaded to a host computer via an RS-232 port. Originally, it was conceived to use a PCMCIA SRAM card for this image storage. However, the physical size of the mechanical PCMCIA slot and the extra interface circuitry was not justified. If the images are stored within the MicroRIT, the user will have to bring back something, be it the MicroRIT or a PCMCIA card, in order to offload the images to some sort of Base-Station unit. Thus, the SRAM-memory was chosen over PCMCIA.

2.4 Communications

The MicroRIT will be able to connect to all standard COMSEC equipment including STU-III's, SINCGAR's, SABER and RACAL (MHSR) radios, KY-57, KY-58, and Sunburst. The DSP processor will run the PTAC and PTAC-2 (required for file pull capability) protocols in order to

be backward compatible with existing PhotoTelesis equipment. The DSP will also directly control all COMSEC control lines (PTT, BDMC, etc.) as well. The DSP and some glue logic will essentially replace the original EIS card of the PhotoTelesis ACT product line.

Note that this version of the MicroRIT will not include the NITFS TACO-2 protocol. There is an assumption that the MicroRIT will be communicating with other PhotoTelesis equipment (i.e., Base Stations) which do have the TACO-2 capability.

Note that the automatic voice/data cutover modes for the KY-57 and KY-58 will not be implemented. Manual data switching will be used.

2.5 User Interface

The user will be able to interface to the MicroRIT two ways: 1) the set of onboard pushbuttons, 2) an RS-232 cable linking the MicroRIT to a host computer. There will be five (5) buttons on the MicroRIT to control normal operation of the system. There will also be an alphanumeric display for status and menu information. The functions on the MicroRIT will include power (on/off), capture, send, and menu. The menu will allow the specification of compression type, compression ratio, protocol, call sign information, send/hold modes, etc.

The RS-232 interface to the MicroRIT will be used for 3 functions: 1) Update system software (stored in FlashRAM on the MicroRIT), 2) download configuration information to the MicroRIT (call sign lists, compression defaults, etc.), and 3) download compressed/stored images from the MicroRIT to a workstation (such as an MIT-301). This will be a very simple RS-232 interface with a subminiature connector on the MicroRIT to the standard 9-pin COM connector on a PC.

2.6 Hardware

2.6.1 Packaging. The MicroRIT is designed to utilize standard snap on cellular telephone batteries. Several battery sizes and capacities are available from telephone retail outlets. The MicroRIT's overall size approximates that of a hand-held cellular flip-phone. High capacity battery life is estimated at 1 hour of full operation, with standby time approaching 30 hours.

The initial design and packaging will be implemented with an aluminum machined case. The finish will be black anodized for cosmetic finish. High volume applications could be done with a plastic injected molded case, but these costs are not included in the funding proposals submitted. A conceptual drawing is shown in Figure 1. The display and interface panel will allow system status and operational menus to be displayed to the operator. There is a recessed subminature-D connector on the bottom edge of the unit that provides all input/output connections. If this unit is used in embedded system applications, external power can also be provided through this same connector. The connector is recessed to prevent damage to the connector by accidental dropping or stricking other objects. The connector is installed on the bottom edge to provide best comfort to the operator when the cable is installed.

This MicroRIT package design will also include the ability to embed this device in higher capability equipment. Examples include radios, portable video equipment, or other equipment including cameras and radio transmission capabilities. This concept is similar to equipment with font cartridges, game cartridges, etc. The operator interface and display panel will not be included on these embedded applications. Power will be supplied through the external I/O connector.

- 2.6.2 Hardware Implementation. The MicroRIT architecture is based on the Texas Instruments TMS320 series of Digital Signal Processors. This DSP is the core of the design, with additional components providing the input/output interfaces to the operator, external power source, radios/Cryptos, and external computer links. There is one D-subminiature connector that provides these I/O functions. There are 5 control buttons, along with an alpha-numeric LED display for operator control and feedback status. The Overall block diagram is shown in Figure 2.
- **2.6.3** Memory. The memory implemented in the MicroRIT consists of low-power Static Rams (S-Rams). These memories are page partitioned to provide both program storage, raw video data workspace, as well as compressed video image storage. The design goal is to provide the capability to store a minimum of 40 images of 32K each in compressed image size. The architecture provides one memory page per image when storing compressed images.
- 2.6.4 I/O Ports. There are 2 input/output Serial ports incorporated into the design. One is designated for communication over radios, Crypto's, and STU type telephone devices. The other is intended for interfacing to other standard RS-232 computer devices such as Global Positioning Systems, some camera devices, and personal computer links for downloading image data or downloading operating program software. If the system needs to be reprogrammed for different mission requirements, the planned mechanism is to download from any serial computer device, the operating parameters and program software. If the user elects to save images, rather than send them immediately, these saved images could also be downloaded from the internal S-RAM memory via this serial port.
- 2.6.5 Power Sources. The MicroRIT is powered from either an attached cellular phone compatible battery, or via external power input through the I/O connector. For extended operating times, the external power mode is used. The input DC voltage range is 5.5-8.0 volt.

COST

COST

The project represents a significant development effort with a medium level of risk. The contractor is keenly aware of the budget constraints and has taken steps to reduce the government's cost. The proposed cost has been reduced by the contractor's program investment of \$576K and utilization of the contractor's Image Compression and Communication Software, which was previously developed with IR&D funds.

The development effort is allocated into hardware engineering and software engineering as follows:

Hardware	\$661,093.80
Software	<u>\$984.492.21</u>
Total Development Effort	\$1,645,586.01
Less:Contractor's Investment	(\$645,586.01)
Cost to government	\$1,000,000.00

Upon completion of the project the government will receive 2 prototypes. The production cost per unit is targeted to be \$3,000.00-\$4,000.00 in lot sizes of 100. Cost reductions are possible by tooling the cage for plastic injection molding based upon higher volumes.

3.0 Schedule

The contractor anticipates the project will require 12 months from inception to prototype delivery. After prototype delivery, unit production could begin immediately. Attached are program schedules for Hardware and Software.

3.1 GFE

The contractor will require two SABRE II radios for testing during the program.

3.2 Personnel

The contractor will assign two Engineering managers and one program manager to this project. Their resumes are attached:

SOFTWARE

Dr. Bruce Mather......Manager of Software Engineering

ELECTRONICS HARDWARE

Roger Vest Manager of Hardware Engineering

PROGRAM MANAGEMENT

Bill Kidd.....Program Manager

3.3 Attachments:

- 1. Micro-RIT Technical Specifications
- 2. Block Diagram
- 3. Drawing
- 4. Program Schedule
- 5. Detail Costs

PRODUCT SPECIFICATIONS

MicoRIT Functional & Physical Specifications

Video Input:

Color/Monochrome

Composite/S-Video

640 x 480 x 16-bit color (8-bit grayscale)

768 x 512

Image Storage:

Onboard flash (or battery-backed SRAM) for 40 + compressed color images (@32K)

Video Output:

None

Audio:

Digitized voice annotation will be provided

Comms:

PTAC (KY-57, Sunburst/STU-III, Sincgars, Saber)

RS-232 Interface:

External GPS receiver, S/W update, offload images, system configuration (call sign

download, etc.)

User Controls:

Five (5) buttons - (1) On/Off and (4) controls:

On/Off switch, Call Sign Select, Grab Image, Send Image, Settings (scrolls menus)

Display:

5x7 dot alpha-numeric low power green LED's (like cellular phones)

One (1) flashing "battery low" LED

* User Controls & Display are optional for embedded applications (i.e., RIT can be built without them)

Power:

2-4 watts @ full operation (idle mode when not doing imaging portion)

Battery:

Internal battery and/or external power

30 hours idle, 1 hour operational

Disposables or Rechargeable (like cellular phone)

Weight:

1 pound (plastic) 1.5 pounds (metal)

Size:

1" x 4" x 3" (Hand-Held Cellular Size)

Temperature:

-20° to 50° C

System does only one function at a time:

Grab image

one frame at a time

Color demodulation

Image Compression

< 5 seconds (to grab, demodulate, and compress)

Store image (40+)

< 1 second per image

Send Image

12Kbit line - 15 seconds goal for image xmit; up to 64Kbit comm link

Modem functions - built in FEC

Remote Control (configure) capability:

New call signs

Set compression ratio

Snap picture

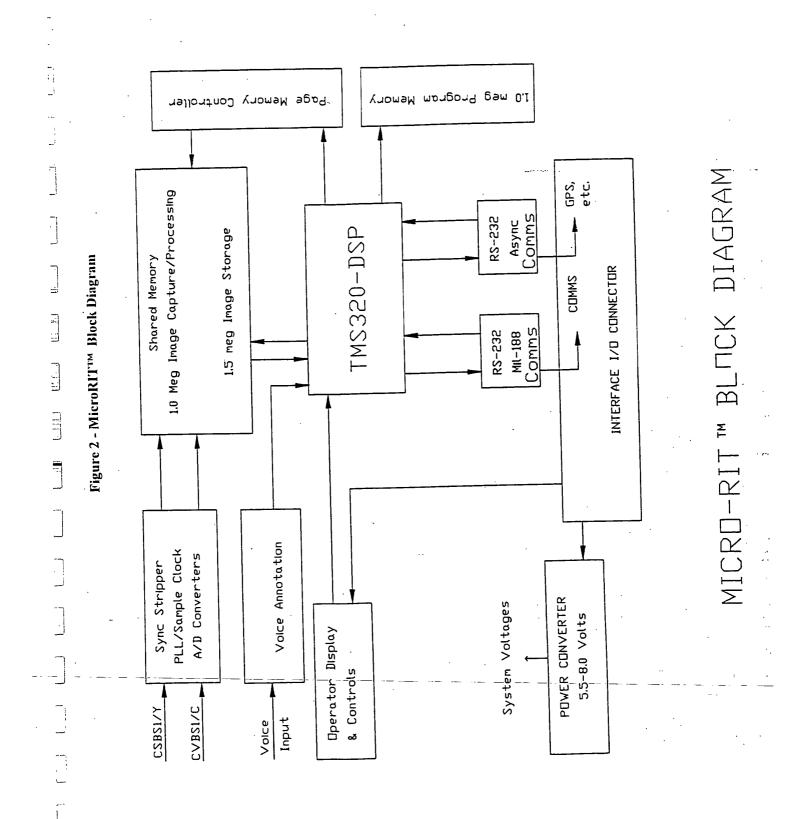
Retrieve image

Texas Instruments Competition Sensitive 2-Nov-95

DRAWING AND BLOCKDIAGRAM

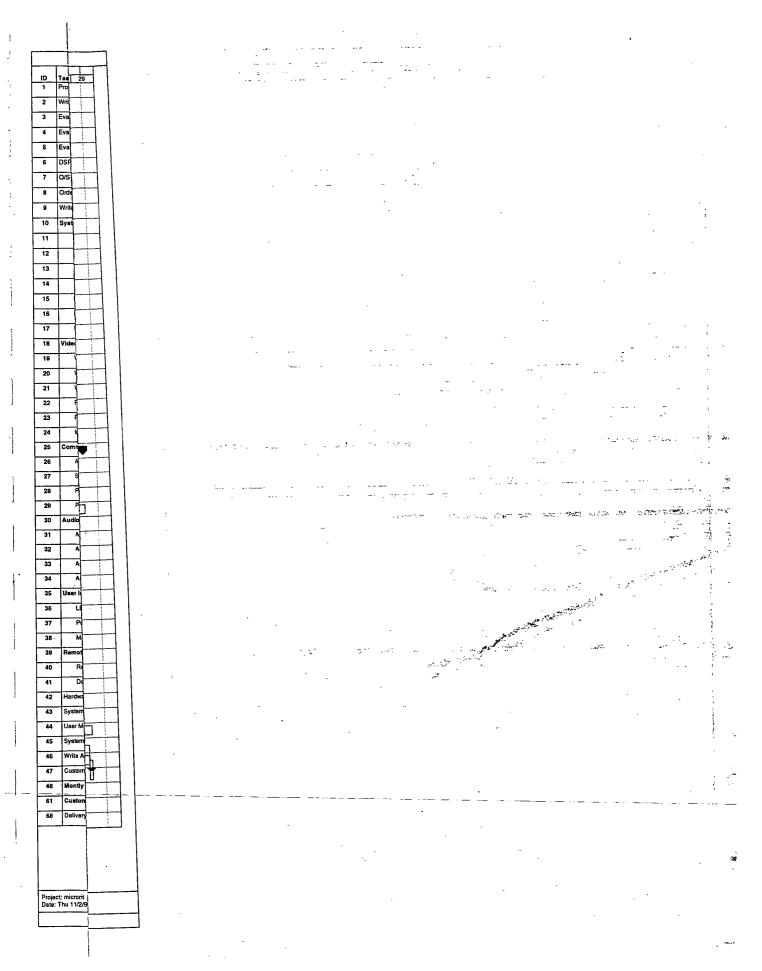
1923

Figure 1 - Micro TM Drawing



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SCHEDULE



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	Duration								
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COST DETAIL

MICE, RIT PHOTOTELESIS

Micro-Rit

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Hardware	Hours	Rates	. Labor \$	Materials	Overhead	Total Cost	
Mechanical design Packaqinq	1040	\$26.62	\$27,684.80		\$69,212.00	\$96,896.80	
Control Panel & I/O Interface	160	\$27.47	\$4,395.20		\$10,988.00	\$15,383.20	
Electrical design				,			
DSP Evaluation /Selection	80	\$30.52	\$2,441.60		\$6,104.00	\$8,545.60	
Block Diagram	120	\$30.52	\$3,662.40		\$9,156.00	\$12,818.40	
Engineering Specifications/ Updates	240	\$30.52	\$7,324.80		\$18,312.00	\$25,636.80	
Component Selection	180	\$30.52	\$5,493.60		\$13,734.00	\$19,227.60	
Power/Heat Analysis	120	\$42.19	\$5,062.80		\$12,657.00	\$17,719.80	
Interconnect/Cabling Design	160	\$26.62	\$4,259.20		\$10,648.00	\$14,907.20	
Schematic Design/Capture	520	\$30.56	\$15,891.20		\$39,728.00	\$55,619.20	
Schematic update Pass2 (3 each)	80	\$30.56	\$2,444.80		\$6,112.00	\$8,556.80	
PWB artwork desgin/layout (3 each)	480	\$22.92	\$11,001.60		\$27,504.00	\$38,505.60	
PWB layout Pass 2 (2 each)	120	\$22.92	\$2,750.40		\$6,876.00	\$9,626.40	
Documentation	800	\$19.53	\$15,624.00		\$39,060.00	\$54,684.00	
Prototype							
Assembly /Checkout labor	096	\$21.93	\$21,052.80		\$52,632.00	\$73,684.80	
Materials & Fab				\$30,000.00		\$30,000.00	
H/W Project Management	480	\$42.19	\$20,251.20	/	\$50,628.00	\$70,879.20	
Project review	320	\$42.19	\$13,500.80	•	\$33,752.00	\$47,252.80	
Development Equipment					-		
DSP Development station	320	\$27.47	\$8,790.40	\$15,000.00	\$21,976.00	\$45,766.40	
DSP Evaluation Kit	160	\$27.47	\$4,395.20		\$10,988.00	\$15,383.20	
Total Hardware	6340	,	\$176,026.80	\$45,000.00	\$440,067.00	\$661,093.80	

CONFIDENTIAL DATA

Software	Hours	Rates	Labor \$	Materials	Overhead	Total Cost
Specification Document	80	\$32.81	\$2,624.80		\$6,562.00	\$9,186.80
Evaluate and select DSP	80	\$32.81	\$2,624.80		\$6,562.00	\$9,186.80
Evaluate and Select Operating system	170	\$31.51	\$5,356.70		\$13,391.75	\$18,748.45
Evaluate and Select Complier	170	\$31.51	\$5,356.70		\$13,391.75	\$18,748.45
Other Development O/S complier				\$15,000.00	\$0.00	\$15,000.00
Software Specification	170	\$32.81	\$5,577.70		\$13,944.25	\$19,521.95
System Management Functions						
Memory Management Routines						
Code Space Manager	320	\$30.21	\$9,667.20		\$24,168.00	\$33,835.20
Data Space Manager	320	\$32.81	\$10,499.20		\$26,248.00	\$36,747.20
Reflash Interface	160	\$25.00	\$4,000.00		\$10,000.00	\$14,000.00
Interrupt Handling	160	\$32.81	\$5,249.60		\$13,124.00	\$18,373.60
Power Management	320	\$25.00	\$8,000.00		\$20,000.00	\$28,000.00
Video System						
Video Frame Grabber S/W	420	\$28.91	\$12,140.10		\$30,350.25	\$42,490.35
Video Demodulation S/W S-Video	160	\$32.81	\$5,249.60		\$13,124.00	\$18,373.60
Video Demodulation S/W Composite	160	\$32.81	\$5,249.60		\$13,124.00	\$18,373.60
Port Wavelet compressor	240	\$32.81	\$7,874.40		\$19,686.00	\$27,560.40
Port JPEG compressor	240	\$25.00	\$6,000.00		\$15,000.00	\$21,000.00
Image Storage Handler	80	\$30.21	\$2,416.80		\$6,042.00	\$8,458.80
Communications System						
Asynch Port Interface	09	\$25.00	\$1,500.00		\$3,750.00	\$5,250.00
Synch Port Interface	120	\$25.00	\$3,000.00		\$7,500.00	\$10,500.00
Port PTAC	1650	\$28.91	\$47,693.25		\$119,233.13	\$166,926.38
Port PTAC-2	240	\$25.00	\$6,000.00		\$15,000.00	\$21,000.00
Audio System	545	\$32.64	\$17,791.00		\$44,477.50	\$62,268.50
User Interface	160	\$30.21	\$4,833.60		. \$12,084.00	\$16,917.60
LED Display Driver	09	\$25.00	\$1,500.00		\$3,750.00	\$5,250.00
Push Button Interface	90	\$25.00	\$1,500.00		\$3,750.00	\$5,250.00
Menuing Interface	120	\$25.00	\$3,000.00		\$7,500.00	\$10,500.00
Remote Control/Host Mode						
Remote Control Interface	480	\$30.21	\$14,500.80		\$36,252.00	\$50,752.80
Docking Station Interface	320	\$30.21	\$9,667.20		\$24,168.00	\$33,835.20

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MICRO-RIT PHOTOTELESIS

CONFIDENTIAL DATA

Software		Hours	Rates	Labor \$	Materials	Overhead	Total Cost
System Integration		1200	\$28.26	\$33,906.00		\$84,765.00	\$118,671.00
Jser Manuals		280	\$21.10	\$5,906.60	•	\$14,766.50	\$20,673.10
System Checkout & r	rework	475	\$25.72	\$12,217.30		\$30,543.24	\$42,760.54
Write acceptance test	st plan	120	\$38.91	\$4,668.60		\$11,671.50	\$16,340.10
Customer Acceptance test Plan	ce test Plan	14	\$45.84	\$641.76		\$1,604.40	\$2,246.16
Management		277.2	\$38.91	\$10,784.47		\$26,961.17	\$37,745.63
Fotal Software	:	9431.2		\$276,997.77	\$15,000.00	\$692,494.43	\$984,492.21
Combined		15771.2		\$453,024.57	\$60,000.00	\$60,000.00 \$1,132,561.43 \$1,645,586.01	\$1,645,586.01
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MICRO-RIT PHOTOTELESIS

PERSONNEL RESUMES

BRUCE C. MATHER

Manager of Software Engineering PhotoTelesis...a business of Texas Instruments Incorporated

Dr. Mather joined PhotoTelesis Corporation in December 1993, as Director of Software Engineering. Prior to joining PhotoTelesis, he was a Senior Research Engineer at Southwest Research Institute where he was employed for seven years. He also serves as an Adjunct Professor at St. Mary's University where he teaches a course in Digital Speech Processing.

Among Dr. Mather's technical areas of expertise are robotic systems, image processing, machine perception, neural networks, virtual reality, multimedia database systems and digital signal processing. He is a member of the Institute of Electrical and Electronic Engineers (IEEE), the Society of Manufacturing Engineers (SME), and the International Neural Network Society (INNS).

Dr. Mather attended the University of Illinois in Champaign, Urbana, where he earned his BSEE degree in 1980, his MSEE in 1983, and his PhD in Electrical Engineering in 1986. He graduated with highest honors and received the Eta Kappa Nu Senior Honor Award for academic excellence. His PhD dissertation involved advanced, multidimentional digital signal processing (DSP) of synthetic aperture radar (SAR) data.

At Southwest Research Institute, while working in their Advanced Robotics Department, he designed and developed interprocess and intercomputer communication and synchronization in the C programming language under the Unix operating system.

In 1991, Bruce joined the Advanced Training Concepts Section at SWRI and was instrumental in the development of the Visual Information System multimedia database product which runs under Windows 3.1. He also worked on an IR&D project involving a Virtual Environment system for multidimensional data visualization. His other areas of interest include speech recognition, position sensing, and holographic sound.

ROGER D. VEST

Manager of Hardware Engineering
PhotoTelesis...a business of Texas Instruments Incorporated

Mr. Vest joined PhotoTelesis Corporation in January of 1994 as Director of Hardware Engineering. Previously, he was Manager of Engineering for CompuAdd Express Corporation in Austin, Texas. In that position, he reported to the President and was responsible for all phases of product development and product sourcing. During his time there, three portable computer (notebook) products were introduced.

Prior to CompuAdd Express, Mr. Vest was employed by Texas Instruments, also in Austin, for over fifteen years. When he resigned to accept the CompuAdd Express position, he was a Senior Member of the Technical Staff. During his last year with TI, Mr. Vest managed a PWB design/layout center for their Custom Manufacturing Group. This effort included initial layout, prototype PWB fabrication, PWB assembly, and prototype checkout of customer products for several high volume computer suppliers. He has an extensive background in surface-mount technology, including footprint design, PWB layout guidelines and automatic test compatibility. He has published several articles on surface-mount technology design rules and footprint requirements.

Mr. Vest graduated from Texas Tech University in Lubbock, Texas, with a Bachelor of Science degree in Electrical Engineering. He was on the Dean's list at the time of his graduation.

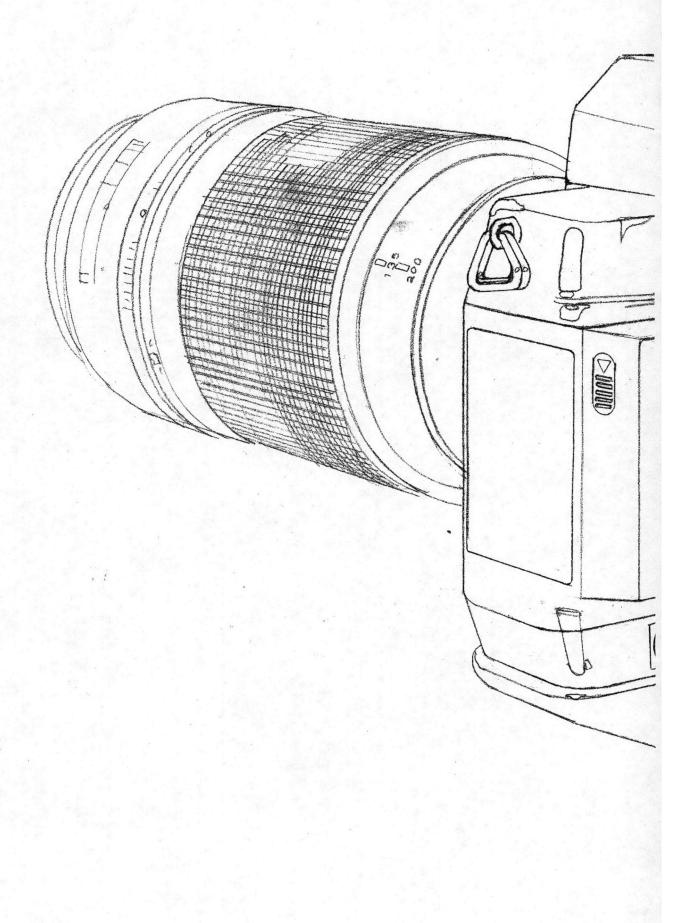
WILLIAM A. KIDD

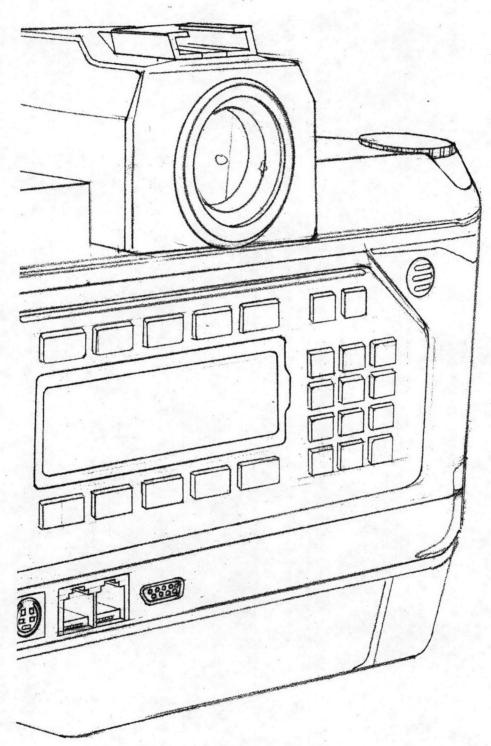
Program Manager
PhotoTelesis...a business of Texas Instruments Incorporated

Mr. Kidd joined Texas Instruments in June 1988. While assigned to the Airborne department of the Defense Systems and Electronics Group, Mr. Kidd was a member of the Light Helicopter program where he was the Program Control manager and cost account manager for several hundred data item submittals. Follow-on assignments included management support to numerous projects. Most recently Mr. Kidd was transferred to PhotoTelesis, a business of Texas Instruments, where he was assigned the program management responsibility for the U.S. Army's Light Weight Video Reconnaissance System (LVRS).

Mr. Kidd developed an excellent understanding of DoD acquisition while on active duty with the U.S. Air Force from 1967-1988. During his military career he gained more than 20 years direct experience in DoD Systems Acquisition Management. At the time of his retirement, Mr. Kidd was the Commander of Air Force Systems Command's, Systems Acquisition School. Previous Air Force program management assignments included the Pave Tack Pod program, the Pave Tack Forward Looking Infrared (FLIR) subsystem, and the Pave Tiger Mini-Drone program. Other relevant Air Force assignments include schedule planning and control for launch, on-orbit support, and recovery of satellite payloads, and Air Force Plant Representative Officer at a defense contractor's facility, responsible for on-site engineering management of DEM/VAL and production programs.

Mr. Kidd has an MS degree in Engineering Management from Arizona State University, Tempe, AZ. His undergraduate BS degree in Mechanical Engineering, was received from Grove City College, Grove City, PA.





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