

Exh. K



UNITED STATES DEPARTMENT OF COMMERCE
 Patent and Trademark Office
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 Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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07/347,629 05/05/89 LANG

R EXAMINER

KENNETH E. LEEDS
 SKJERVEN, MORRILL, MACPHERSON,
 FRANKLIN & FRIEL
 25 METRO DRIVE, STE 700
 SAN JOSE, CA 95110

NGUYEN H
 ART UNIT PAPER NUMBER

13

DATE MAILED:

04/23/91

NOTICE OF ALLOWABILITY

PART I.

1. This communication is responsive to Applicant's amendment Jan 4, 1991
2. All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
3. The allowed claims are 26-30
4. The drawings filed on _____ are acceptable.
5. Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has been received. not been received. been filed in parent application Serial No. _____, filed on _____
6. Note the attached Examiner's Amendment.
7. Note the attached Examiner Interview Summary Record, PTOL-413.
8. Note the attached Examiner's Statement of Reasons for Allowance.
9. Note the attached NOTICE OF REFERENCES CITED, PTO-892.
10. Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form: Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

1. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
2. APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
 - a. Drawing informallties are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. _____ CORRECTION IS REQUIRED.
 - b. The proposed drawing correction filed on May 7, 1991 has been approved by the examiner. CORRECTION IS REQUIRED.
 - c. Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
 - d. Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

Attachments:

- Examiner's Amendment
- Examiner Interview Summary Record, PTOL- 413
- Reasons for Allowance
- Notice of References Cited, PTO-892
- Information Disclosure Citation, PTO-1449
- Notice of Informal Application, PTO-152
- Notice re Patent Drawings, PTO-948
- Listing of Bonded Draftsmen
- Other

Roy N. Envall, Jr.
 ROY N. ENVALL, JR.
 PRIMARY EXAMINER
 ART UNIT 235



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

Address: Box ISSUE FEE
COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

KENNETH E. LEEDS
SKJERVEN, MORRILL, MACPHERSON,
FRANKLIN & FRIEL
25 METRO DRIVE, STE 700
SAN JOSE, CA 95110

**NOTICE OF ALLOWANCE
AND ISSUE FEE DUE**

- Note attached communication from the Examiner
- This notice is issued in view of applicant's communication filed _____

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
07/347,629	05/05/89	005	NGUYEN, H 235	04/23/91

First Named Applicant: LANG, RICHARD A.

TITLE OF INVENTION:
AUDIO/VIDEO TRANSCEIVER APPARATUS INCLUDING COMPRESSION MEANS, RANDOM ACCESS STORAGE MEANS, AND MICROWAVE TRANSCEIVER MEANS (AS AMENDED)

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2 M914US	358-335.000	097	UTILITY	YES	\$525.00	07/23/91

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND 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 changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the Status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by a charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.

III. All communications regarding this application must give series code (or filing date), serial number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees.



Handwritten notes: H10, 5/6/91

Handwritten #14 and a RECEIVED stamp dated MAY -9 1991 from the COMMUNICATIONS SECTION.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
ART UNIT 235

Examiner Huy Nguyen

Richard A. Lang
CASE 211
SERIAL NO. 07/347,629
FILED May 5, 1989
SUBJECT AUDIO/VIDEO TRANSCEIVER APPARATUS INCLUDING COMPRESSION MEANS,
RANDOM ACCESS STORAGE MEANS, AND MICROWAVE TRANSCEIVER MEANS

"Express Mail" mailing label number RB188719278
Date of Deposit May 6, 1991

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

William E. Hein

(Type or printed name of person mailing paper or fee)

(Signature of person mailing paper or fee)

THE COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, D.C. 20231

RECEIVED

MAY 09 1991

SIR:

GROUP 230

INFORMATION DISCLOSURE STATEMENT

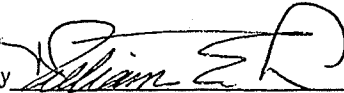
Pursuant to the provisions of 37 CFR 1.56, 1.97, and 1.98, as well as MPEP 609, applicant submits herewith a copy of U.S. Patent No. 4,506,387. Also enclosed is one sheet of Form PTO-1449 on which this reference is cited. This reference first came to applicant's attention on April 2, 1991, and was first discussed with applicant's undersigned attorney on April 9, 1991, following which applicant's attorney ordered the file history of this patent from the PTO and reviewed and discussed the subject matter thereof on several occasions with applicant and his technical associates before concluding on or about May 3, 1991, that the reference is material to the examination of the instant application. Therefore, applicant respectfully requests that the Examiner give consideration to this recently-discovered reference. A brief description of the relevance of the cited reference follows:

U.S. Patent No. 4,506,387 is directed to a programming-on-demand cable TV system in which a video program is divided into a number of segments and

stored in a segmented memory in compressed digital form. The stored video segments are then converted from electrical data to optical data and simultaneously transmitted over a plurality of parallel fiber optic transmission lines to a data receiving station, which then reconverts the optical data back to the original electrical data.

Respectfully submitted,

Richard A. Lang

By 

William E. Hein
Patent Attorney #26,465.

May 6, 1991
(303) 667-6741
Loveland, Colorado

14

Sheet _____ of _____

LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION DISCLOSED BY APPLICANT (Use several sheets if necessary)				ATTY. DOCKET NO. 211		SERIAL NO. 07/347,629							
				APPLICANT Richard A. Lang									
				FILING DATE May 5, 1989		GROUP 235							
PATENT DOCUMENTS													
EXAMINER INITIAL		DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
HAN	AA	4	5	0	6	3	8	7	3/1985	Walter	455	612	
	AB												
	AC												
	AD												
	AE												
	AF												
	AG												
	AH												
	AI												
	AJ												
	AK												
FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
												YES	NO
	AL												
	AM												
	AN												
	AO												
	AP												
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)													
	AR												
	AS												
	AT												
EXAMINER HUY NGUYEN								DATE CONSIDERED 6/4/1991					
*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.													



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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
07/347,629	05/05/89	LANG	R MS14US

KENNETH E. LEEDS
 SKJERVEN, MORRILL, MACPHERSON,
 FRANKLIN & FRIEL
 25 METRO DRIVE, STE 700
 SAN JOSE, CA 95110

EXAMINER	
NGUYEN, H	
ART UNIT	PAPER NUMBER
235	15
DATE MAILED: 06/05/91	

NOTICE OF ALLOWABILITY

Supplemental

PART I

1. This communication is responsive to prior art statement 5-6-91
2. All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
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[Signature]
 Roy N. Envall, Jr.
 Supervisory
 Patent Examiner
 Art Unit 235