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To the Hon. _____

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**Chui Chu CHENG; Chin Cheng CHUO;
Jinshuan Eric LEE; Chien-Ming TSAO;
Yih-Woei LIANG; Chih-Yu CHIOU**

Additional name(s) of conveying party(ies) attached?
___ Yes x No

2. Name and address of receiving party(ies):
**Industrial Technology Research Institute
G500/Bldg. 51, 195-11 Sec. 4,
Chung Hsing Road
Chutung, Hsinchu, Taiwan 31015
REPUBLIC OF CHINA**

3. Nature of conveyance:
 X Assignment ___ Merger
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Execution Date: **April 20, 1998; April 22, 1998;
May 6, 1998; May 7, 1998**

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4. Application number(s) or patent number(s):
If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) B. Patent No.(s)
09/086,042

Additional numbers attached? ___ Yes X No

5. Name and address of party to whom
correspondence concerning document should be
mailed:

Name: **Proskauer Rose LLP**
Street Address: **1585 Broadway**
City: **New York** State: **NY** ZIP: **10036**

6. Total number of applications and patents
involved: 1

7. Total Fee (37 CFR 3.41)..... \$ **40.00**
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 X Authorized to be charged to deposit account

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October 21, 1998
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ASSIGNMENT OF PATENT APPLICATION

For value received, the undersigned sell(s), assign(s) and transfer(s) to:

Industrial Technology Research Institute

a corporation organized under the laws of: **Republic of China**

and having a place of business at: **G500/Bldg. 51, 195-11 Sec. 3, Chung Hsing Road**

Chutung, Hsinchu, Taiwan 31015 REPUBLIC OF CHINA

and to Assignee's successors, assigns and legal representatives or nominees as it may designate (collectively, hereinafter, "Assignee"), the entire right, title and interest, for:

The United States of America and Its Territories and Commonwealth and Possessions All countries throughout the world

in and to all inventions and improvements disclosed in an application for United States Patent entitled: **DATA PLACEMENT ON DIRECT ACCESS DEVICES FOR MEDIA SERVERS WITH CYCLIC RE-BROADCAST CAPABILITY**

The above-entitled United States Patent application was:

executed by the undersigned on: _____
 filed in the United States Patent and Trademark Office on: _____
 and assigned serial number: _____
 filed as PCT International Application No.: _____
 on: _____

The undersigned assign(s) the rights for all patents, divisions, reissues, reexamination certificates, continuing applications and extensions thereof, together with the right of priority of any earlier corresponding patent application filed by the undersigned in the United States or elsewhere.

The undersigned covenant(s) that the rights and property conveyed by this Assignment are free and clear of any encumbrance, and that the undersigned have (has) full right to convey the rights and property as expressed herein.

The undersigned authorize(s) and request(s) that any and all patents on the aforesaid inventions be issued to Assignee.

The undersigned agree(s), when requested, without further charge to Assignee but at its expense, to communicate to Assignee or its representatives all facts known to the undersigned regarding the aforesaid inventions and improvements, testify in any legal proceeding, sign all papers, make all rightful oaths or declarations, execute all divisional, continuing, re-examination and reissue applications and generally perform all acts, which may be necessary, desirable or convenient, to aid Assignee in securing, maintaining and enforcing patents for the aforesaid inventions and improvements in the aforesaid countries, and for vesting title thereto in Assignee.

Date: Chui-Chu Cheng 1998.07.20

Chui-Chu Cheng
Chui Chu CHENG

Date: 1998.04.20

Chin Cheng Chuo
Chin Cheng CHUO

Date: 4.20.1998

Jinshuan Eric Lee
Jinshuan Eric LEE

Date: May 06, 1998

Chien-Ming Tsao
Chien-Ming TSAO

Date: April 22, 1998

Yih Woei Liang
Yih Woei LIANG

Date: May 07, 1998

Chih Yu Chiou
Chih-Yu CHIOU

I hereby certify that this paper is being deposited this date with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

A handwritten signature in cursive script, appearing to read "Richard W. Cott", is written above a horizontal line.

October 21, 1998

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**PATENT
REEL: 9542 FRAME: 0468**