

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
27 April 2006 (27.04.2006)

PCT

(10) International Publication Number
WO 2006/044703 A3

(51) International Patent Classification:
H04N 7/12 (2006.01) *H04N 11/02* (2006.01)

(21) International Application Number:
PCT/US2005/037089

(22) International Filing Date: 13 October 2005 (13.10.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
10/964,853 13 October 2004 (13.10.2004) US

(71) Applicant (*for all designated States except US*): **AEGI-
SON CORP.** [US/US]; 4633 Old Ironsides Drives, #150,
Santa Clara, CA 95054 (US).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **LIU, Bin** [CN/US];
3440 El Camino Real, #112, Santa Clara, CA 95051 (US).

(74) Agent: **CHEN, Howard**; Preston Gates & Ellis, LLP, 55
Second Street, Suite 1700, San Francisco, CA 94105 (US).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY,
MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO,
NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))*

Published:

- *with international search report*

(88) Date of publication of the international search report:
31 July 2008

(54) Title: METHOD AND SYSTEM FOR MULTI-PATH VIDEO DELIVERY AND DISTRIBUTION

(57) Abstract: A system and method for processing and transmitting signals. The system includes a first encoder configured to receive a digital video signal and encode the digital video signal based on a first encoding format, a second encoder configured to receive the digital video signal and encode the digital video signal based on a second encoding format, and a control system configured to receive a first encoded digital video signal and a second encoded digital video signal and output a third encoded digital video signal.



WO 2006/044703 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/37089

A. CLASSIFICATION OF SUBJECT MATTER

IPC: H04N 7/12(2006.01),11/02(2006.01)

USPC: 375/240.12,240.21,E7.152;341/50

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 375/240.12, 240.21, E7.152; 341/50

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
IEEE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0012275 A1 (BOICE et al) 16 January 2003 (16.01.2003), Paragraphs [0042],[0043], [0048]-[0052], [0057]-[0064], Figures 6-8.	1-32
Y	US 6,407,680 B1 (LAI et al.) 18 June 2002 (18.06.2002), column 4 lines 28-31, column 7 lines 4-9 and 39-53, column 20 lines 29-60, Figure 2.	1-32
Y	US 6,172,712 B1 (BEARD) 9 January 2001 (9.01.2001), abstract, column 4 lines 5-31, Figure 1.	12, 13, 14, 29 and 30
Y	US 2004/0018829 A1(RAMAN et al) 29 January 2004 (29.01.2004), Paragraphs [0014], [0109] and [0119].	9

☐

Further documents are listed in the continuation of Box C.

☐

See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

25 March 2008 (25.03.2008)

Date of mailing of the international search report

09 APR 2008

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-3201

Authorized officer

Mehrdad Dastouri

Telephone No. 571-272-7418