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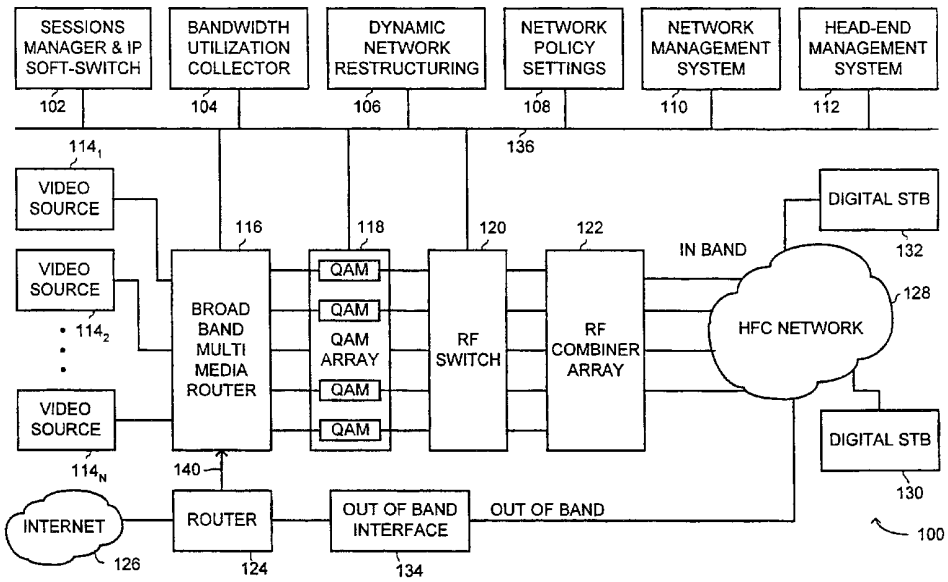
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14 February 2002

[Continued on next page]

(54) Title: METHOD FOR DELIVERY OF NARROW-CAST DATA OVER DIGITAL BROADCAST CHANNELS



(57) Abstract: Broadband multimedia system comprising a communication bus, a broadband multimedia router, connected to the communication bus, to a data router and further between a plurality of media sources and a plurality of network transmitters, a session manager, connected to communication bus, the session manager providing routing instructions to the router, for directing media received from the media sources to the network transmitters for transmitting over a broadband network and for directing data received from the router to at least a selected one of the network transmitter for transmitting over the broadband network to a specific destination.

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

Int. ational Application No
PCT/US 00/16654

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04N7/52 H04L29/06

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)
IPC 7 H04N H04L

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 practical, search terms used)
EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 481 542 A (ADDINGTON TIMOTHY H ET AL) 2 January 1996 (1996-01-02) abstract	1-10, 15-19, 22-24, 27-39
Y	column 5, line 40 -column 6, line 60 column 8, line 14 -column 9, line 10 column 15, paragraph 4 column 12, paragraph 2 column 18, paragraph 3 - paragraph 4 column 19, paragraph 2 - paragraph 4 column 21, paragraph 5 - paragraph 6 column 27, paragraph 5 figures 2,11,13	11-14

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

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

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"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	Date of mailing of the international search report
11 July 2001	30. 07. 2001

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Blanco Cardona, P

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Int. tional Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
X	GOLDBERG L: "MCNS/DOCSIS MAC CLEARS A PATH FOR THE CABLE-MODEM INVASION" ELECTRONIC DESIGN,US,PENTON PUBLISHING, CLEVELAND, OH, vol. 45, no. 27, 1 December 1997 (1997-12-01), pages 69-70,74,78,80, XP000755759 ISSN: 0013-4872 page 69 -page 70	1,7,8,19
Y	WO 98 00975 A (SUN MICROSYSTEMS INC ;THOMSON CONSUMER ELECTRONICS (US)) 8 January 1998 (1998-01-08) abstract	11-14
X	US 5 548 532 A (JOEPH KURIACOSE ET AL) 20 August 1996 (1996-08-20) abstract column 3, line 55 - line 64	20,21
A	US 5 742 623 A (NUBER RAY ET AL) 21 April 1998 (1998-04-21) column 2, line 23 -column 3, line 33	20,21
X	EP 0 692 914 A (AT & T CORP) 17 January 1996 (1996-01-17) abstract	22-24
A	column 2, line 57 -column 3, line 7 column 4, line 43 - line 48 column 5, line 7 - line 24	25,26
A	EP 0 526 104 A (AMERICAN TELEPHONE & TELEGRAPH) 3 February 1993 (1993-02-03) abstract	25,26

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/16654

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. [ ] Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. [ ] Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. [ ] Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. [X] As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. [ ] As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. [ ] As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. [ ] No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

[ ] The additional search fees were accompanied by the applicant's protest.

[X] No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-19,22-24,27-39

   Method presenting an image from a data packets source in association with at least one media image from a media program

2. Claims: 20,21

   Method for synchronizing between a data session and a media session assigning identical time stamp to selected transport packet pairs

3. Claims: 25,26

   Method of controlling the transmission rate comprising the step of detecting flow queue overflow

INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. tional Application No
PCT/US 00/16654

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