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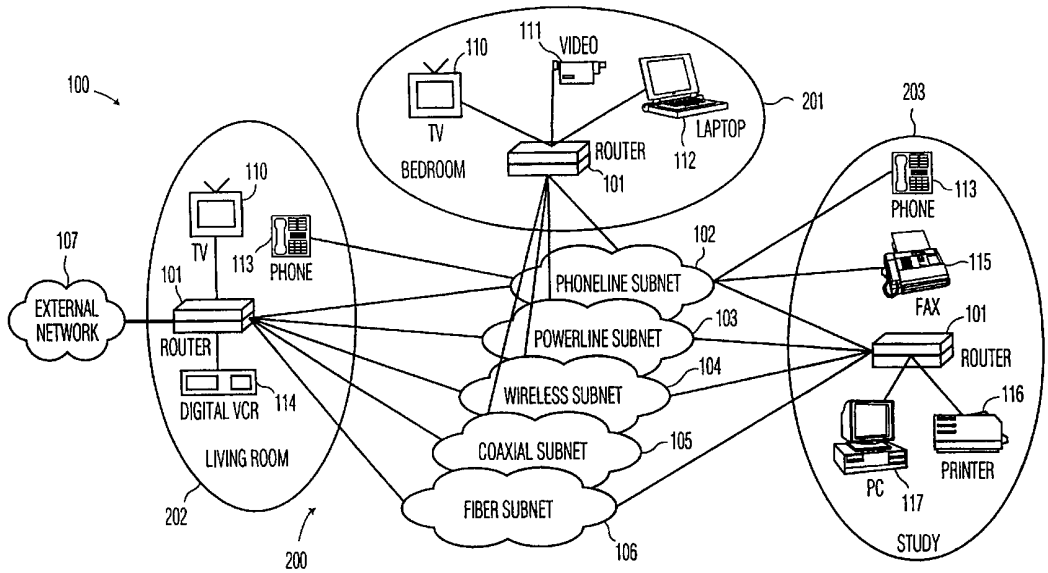
(54) Title: SYSTEM FOR DATA NETWORKING USING INTER-SUBNET ROUTERS



(57) Abstract: A networking system and controller are disclosed that integrates various subnets to more effectively manage and control data communication. The system integrates the subnets into an overlaid backbone network which can connect different devices such as phone line network devices, power line network devices, radio frequency (RF) cordless devices, and devices clustered around internet protocols to distribute data efficiently and reliably over the subnets.

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INTERNATIONAL SEARCH REPORT

International Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56 H04L12/46

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 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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 896 382 A (HUDDLESTON PAUL MICHAEL ET AL) 20 April 1999 (1999-04-20) abstract column 1, line 1 - line 14 column 2, line 10 - line 22 column 2, line 64 -column 3, line 4 column 3, line 16 - line 36 column 3, line 48 -column 4, line 20 column 4, line 40 -column 5, line 10 column 5, line 49 - line 62 column 6, line 5 - line 49 figures 1,2 --- -/--	1-10

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

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
28 February 2002	07/03/2002

Name and mailing address of the ISA	Authorized officer
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INTERNATIONAL SEARCH REPORT

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PCT/EP 01/07570

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 280 483 A (KUSAYANAGI MICHIO ET AL) 18 January 1994 (1994-01-18) abstract column 2, line 61 -column 4, line 48 column 6, line 21 - line 38 claim 13 figure 1 -----	1-10

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP 01/07570

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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