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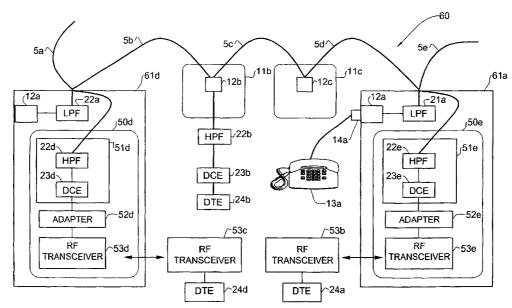
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NETWORK COMBINING WIRED AND NON-WIRED SEGMENTS



(57) Abstract: A local area network (60) within a residence or other building, including both wired (5) and non-wired segments (53). The wired segments are based on new or existing wires (5a, 5b, 5c, 5d, 5e) in the building, wherein access to the wires is provided by means of outlets (61a, 61d), such as a telephone system, electrical power distribution system, or cable television wiring system. The non-wired segments are based on communi-cation using propagated waves such as radio, sound, or light (e.g. infrared). The wired and non-wired segments interface in the outlet, using a module (50) that serves as mediator between the segments. The module can be integrated into the outlet, partially housed in the outlet, or attached externally to the outlet. Such a network allows for integrated communi-cation of data units (24b) connected by wires and data units (24a, 24d) connected without wires.



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### INTERNATIONAL SEARCH REPORT

Interno nal Application No PCT/IL 01/00302

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04M11/06 H04L12/40

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

#### **B. FIELDS SEARCHED**

 $\begin{array}{ll} \mbox{Minimum documentation searched} & \mbox{(classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H04L} & \mbox{H04M} \end{array}$ 

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, IBM-TDB, INSPEC

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No	
Х	EP 0 798 923 A (INLINE CONNECTION CORP) 1 October 1997 (1997-10-01)	1-4, 9-11, 16-24, 27-31, 34-37	
	column 8, line 56 -column 10, line 3 column 17, line 13 -column 18, line 54 column 22, line 47 - line 53 column 23, line 35 -column 24, line 35 column 26, line 1 - line 8		
Y A	Corumn 20, Time 1 Time 0	5-8,25, 26,32,33 12-15	
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	ner documents are listed in the continuation of box C.		

Further documents are listed in the continuation of box C.	Y Patent family members are listed in almex.
<ul> <li>'A' document defining the general state of the art which is not considered to be of particular relevance</li> <li>'E' earlier document but published on or after the international filling date</li> <li>'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)</li> <li>'O' document referring to an oral disclosure, use, exhibition or other means</li> <li>'P' document published prior to the international filling date but</li> </ul>	<ul> <li>'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</li> <li>'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</li> <li>'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.</li> <li>'&amp;' document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
15 January 2002	22/01/2002

Authorized officer

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Intern all Application No
PCT/IL 01/00302

Category °	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication where appropriate, of the relevant passages	Relevant to claim No.	
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