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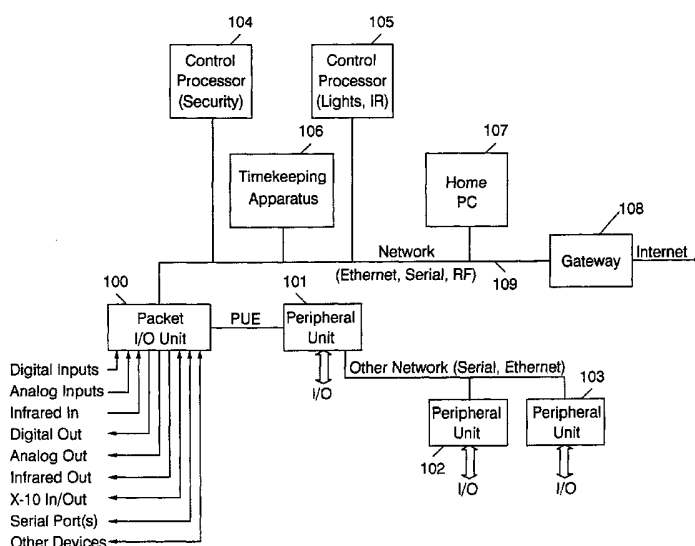
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(54) Title: DISTRIBUTED, PACKET-BASED PREMISES AUTOMATION SYSTEM



(57) Abstract: Distributed, packet-based premises automation system. The system can include, multiple, distributed, input/output (I/O) units (100, 101, 102, 103). Changes in inputs can be broadcast using one or more protocols onto a home or other premises network, and/or the Internet. I/O units can receive commands from the network and effect control of the premises equipment based on those commands. Input and output identifiers (701, 704) have a format that allows them to uniquely identify any input and output in the distributed system, regardless of how large the system is. Any computer or controller on the network can see the changes in the inputs and any computer or controller can effect changes in an output, providing for true, distributed control. Virtual inputs are provided, each allowing a standard meaning to be applied to a storage bit (603) that represents some state or condition of the premises.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/17944

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 H04L12/28 H04L29/08

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, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 737 529 A (KAGAN RICHARD S ET AL) 7 April 1998 (1998-04-07) abstract; figures 1,3B column 6, line 64 -column 7, line 2 column 8, line 1 - line 10; tables VIII,IX column 10, line 47-55 column 11, line 21 - line 29 column 13, line 40 - line 48 column 15, line 2 - line 5 column 21, line 2 - line 9 -----	1-15,19, 21-55

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

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