(54) Title: UTILIZATION OF POWER DELIVERED TO POWERED DEVICE DURING DETECTION AND CLASSIFICATION MODE

(57) Abstract: A powered device for receiving power from a power supply device over a communication link has operation support circuitry responsive to power provided by the power supply device in a detection or classification mode to enable the power supply device to operate in the detection or classification mode, and auxiliary circuitry configured for being powered by at least a portion of the power supplied in the detection or classification mode.
**INTERNATIONAL SEARCH REPORT**

**INTERNATIONAL APPLICATION No**

PCT/US2006/001730

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**A. CLASSIFICATION OF SUBJECT MATTER**

INV. H04L12/10

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

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

H04L

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

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

EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB, COMPEDLEX

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**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
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<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
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<td>X</td>
<td>US 6 448 899 B1 (THOMPSON GEOFFREY O) 10 September 2002 (2002-09-10) column 2, line 46 - line 57; figure 2</td>
<td>1-7, 9, 10, 14-20 8, 11-13, 21</td>
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Further documents are listed in the continuation of Box C.

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See patent family annex.

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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 document but 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

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Date of the actual completion of the international search

12 July 2006

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Date of mailing of the international search report

19/07/2006

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Name and mailing address of the ISA/

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Hardelin, T

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<td>US 6448899</td>
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