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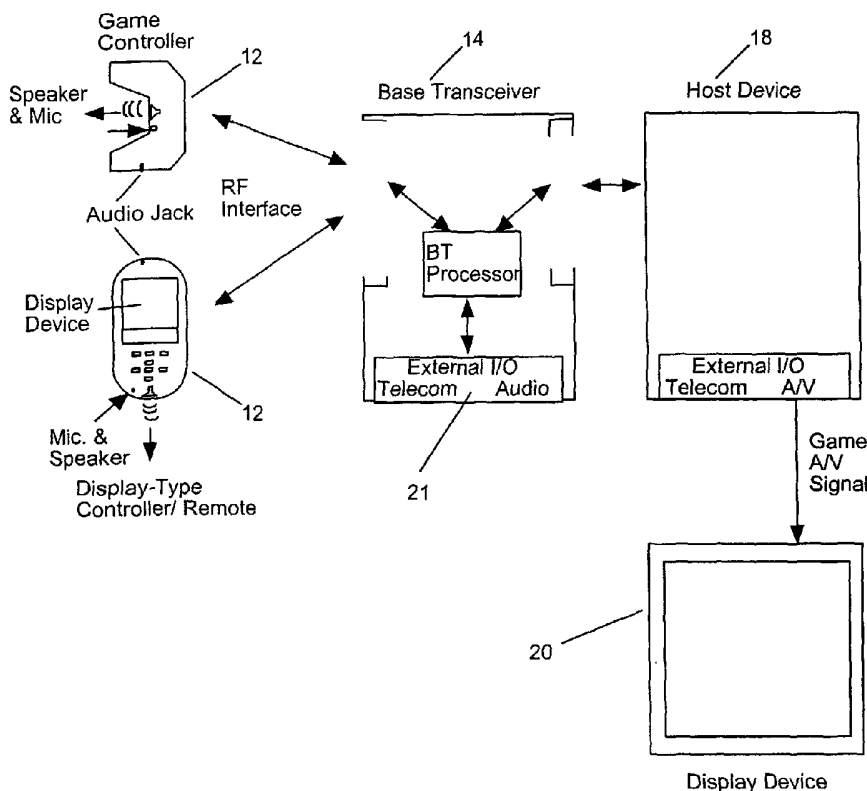
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[Continued on next page]

(54) Title: WIRELESS AUDIO SYSTEM



(57) Abstract: A system for wireless transmission between a device such as a game controller and a base transceiver linked with a host device. Multiple controllers can be linked with the base transceiver through radio frequency transmission, and audio signals can be selectively transmitted there between. Audio commands can be introduced with manual controls at the controller for transmission to the base transceiver. Audio signals can be generated, mixed or otherwise processed by the combination of the host device and base transceiver for selective transmission to one or more controllers. The combination of manual switches, audio commands, and radio frequency transmission provides unique combinations of interaction between a person and the host device.

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European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**(88) Date of publication of the international search report:**  
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**Published:**

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 02/00171

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC 7 G06F3/00 G06F3/033

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 G06F A63F G10L

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

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 185 535 B1 (HEDIN JAN ET AL) 6 February 2001 (2001-02-06) abstract column 4, line 38 - column 6, line 65; figures 1A,1B,2 column 8, line 56 - column 10, line 3; figure 3 column 10, line 46 - line 63; figure 5 -----	1,2, 24-26
A	US 5 001 763 A (MOSELEY WILLIAM T) 19 March 1991 (1991-03-19) cited in the application abstract -----	26

Further documents are listed in the continuation of box C.

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
- "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

- "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

21 July 2003

Date of mailing of the international search report

12. 11. 2003

Name and mailing address of the ISA

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# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA 02/00171

## 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.  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.:

1, 2, 24-26

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- 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 : 1,2,24-26

A wireless interaction system, comprising a host device, a base transceiver engaged with said host device and a controller, with voice recognition and generation capabilities being comprised both in the base transceiver and the controller.

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2. claims : 3-10

A wireless interaction system with a base transceiver capable of receiving and mixing multiple audio signals and selectively transmitting an audio signal to at least one of at least two controllers.

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3. claims : 11-22, 28

A wireless interaction system, with voice recognition capabilities according to a certain protocol.

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4. claim: 23

A wireless interaction system, supporting an audio telecommunication session.

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5. claim: 27

A wireless interaction system, comprising a hard wire connection between a controller and a base transceiver.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/CA 02/00171

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