Title: BEAMCAST (CONTINUOUS DATA BEAMING SYSTEM)

Abstract: A Continuous Data Beaming System that is capable of continuously and automatically beaming data by direct transmission from one Host device (10) to another Remote Device (20) (receiver device) every time the receiver needs the data. The Host Device constantly searches to find an IROBEX compliant Remote Device, checks availability for an infrared connection, completes the connection to the Remote Device and transfers a data object through the respective infrared ports. If a failure occurs during any of the foregoing steps, the program automatically returns to searching. The BeamMaster Device allows the system to halt for a brief period, thirty seconds or less, so that files or data objects may be swapped. Continuous beaming resumes once the files are swapped or the time has expired. The Host Device automatically transmits data to the receiver device every time a receiver shows up and needs the data, thereby effectively achieving one-touch wireless synchronization.
A. CLASSIFICATION OF SUBJECT MATTER

IPC(?) :G06F 16/16
US CL :709/297
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)

U.S. : 709/204, 227, 298; 705/1; 707/10

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

NONE

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

Please See Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<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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<tr>
<td>Y</td>
<td>US 5,953,507 A (CHEUNG et al.) 14 September 1999, Figs.1-5, col. 5, lines 9-25, col. 6, lines 61-67, col. 7, lines 1-3, col. 8, lines 50-55, col. 8, lines 64-67, col. 9, lines 1-2</td>
<td>1-15</td>
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[X] Further documents are listed in the continuation of Box C.  
[ ] See patent family annex.

* Special categories of cited documents:

** 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, each combination being obvious to a person skilled in the art

Date of the actual completion of the international search: 05 MAY 2002

Date of mailing of the international search report: 05 JUN 2002

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Form PCT/ISA/210 (second sheet) (July 1998)
### INTERNATIONAL SEARCH REPORT

#### C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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<td>Y, E</td>
<td>US 2002/0026321 A1 (FARIS et al.) 28 February 2002, Figs. 1, 2, 4, page 9, par. [0112], page 11, par. [0128], page 15, par. [0164], page 17, par. [0200], page 18, par. [0202], page 22, par. [0272], [0275], page 25, par. [0302]-[0305]</td>
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</table>
B. FIELDS SEARCHED
Electronic data bases consulted (Name of data base and where practicable terms used):

US PTO BRS: EAST
search terms: wireless, host, remote, infrared connection, protocol, object, data, hot sync, bluetooth, search, establish, record