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(54) **Title:** INTERACTIVE GAMES ON A TELEVISION VIA INTERNET

(57) **Abstract:** Particular embodiments of the disclosed subject matter provide methods and systems to support interactive games on a television via internet protocol. An example embodiment includes receiving a game selection from a remote user through a set-top box via a network, activating the selected game on a games server, and communicating game rendering information to the set-top box via the network thereby enabling remotely playing the selected game via a television monitor and a remote control device.

# INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2007/079127

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. A63F13/12 H04N7/173

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)  
H04N A63F

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**

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
<b>X</b>	US 2005/155083 A1 (OH SANG-SEOK [KR] E,T AL) 14 July 2005 (2005-07-14)  abstract; figures 1,2,4,5 paragraphs [0006] - [0010], [0035], [0046], [0052] - [0056], [0060] - [0063] -----	1-4, 21, 22, 25-29, 36-39
<b>X</b>	EP 1 391 226 A (CIT ALCATEL [FR] ALCATEL LUCENT [FR]) 25 February 2004 (2004-02-25)  abstract; figures 3,5,6 paragraphs [0017] - [0021], [0036], [0040], [0045], [0048], [0052] - [0055], [0060], [0077] - [0082], [0087] ----- -/--	1-7, 21, 22, 25-29, 36-39

Further documents are listed in the continuation of Box C.

See patent family annex

\* Special categories of cited documents .

- <sup>1</sup>A" document defining the general state of the art which is not considered to be of particular relevance
- <sup>1</sup>E" earlier document but published on or after the International filing date
- <sup>1</sup>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)
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- <sup>T</sup> 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
- <sup>1</sup>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
- <sup>1</sup>Y<sup>1</sup> 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.
- <sup>1</sup>&" document member of the same patent family -

Date of the actual completion of the international search  
  
4 September 2008

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07/10/2008

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## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2007/079127

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	wo 2004/012437 A (BLUESTREAK TECHNOLOGY INC [US] ) 5 February 2004 (2004-02-05)  abstract ; figures 1-3,7-9 pages 6, 12, 13 -----	1-7 ,21 , 22 , 25-29, 36-39
A	US 5 781 734 A (OHNO YUGO [OP] ET AL) 14 July 1998 (1998-07-14)  abstract ; figures 1-4 column 4, line 17 - column 5, line 30 -----	1-7,21 , 22 , 25-29, 36-39
A	US 6 409 602 BI (WILTSHIRE MICHAEL S [US] ET AL) 25 June 2002 (2002-06-25)  abstract ; figures 1,2,7 columns 5-8 -----	1-7,21 , 22 , 25-29, 36-39
X	US 6 139 520 A (MCCRORY JENNIFER [US] ET AL) 31 October 2000 (2000-10-31) abstract; figures 1-7, 10, 11 column 4 column 11, lines 18-29 column 5, lines 42-59 column 4, lines 39FF,38FF column 6, lines 8-33 column 4, line 48 -----	8-14,22, 30-33,38
X	EP 0 714 684 A (NET GAME LTD [IL]) 5 June 1996 (1996-06-05) abstract; claim 5; figures 1,2 page 4 page 11, line 26 page 16, line 45F page 16, line 45 - page 17, line 10 page 17, line 24 -----	15-18, 34,35
X	wo 2004/079536 A (GAMELOGIC INC [US] ; HERRMANN MARK E [US] ; KANE STEVEN N [US] ; ROSEMAN) 16 September 2004 (2004-09-16) abstract ; claims 1-9; figures 1-4 page 3, paragraph 2 page 4, paragraph 3 page 6, paragraph 6 page 9, paragraphs 2,5 page 12, paragraph 2 page 14, paragraph 3 - page 16, paragraph 1 page 16, paragraph 2-4 page 17, paragraphs 2,3 ----- -/--	19,20

**INTERNATIONAL SEARCH REPORT**

International application No PCT/US2007/079127
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	<p>US 6 699 125 B2 (KIRMSE CHRIS [US] ET AL)                      2 March 2004 (2004-03-02)                      abstract; figures 1,3,15                      column 18, paragraph 1                      column 4, paragraph 3                      column 1, paragraph 4</p> <p align="center">-----</p>	8,11,17
A	<p>US 2004/111484 A1 (YOUNG NEIL C [US] ET AL) 10 June 2004 (2004-06-10)</p> <p>abstract; claim 1; figures 3,4                      paragraph [0039]</p> <p align="center">-----</p>	11,12, 23,32, 33,38

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2007/079127

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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 No. III Observations where unity of invention is lacking (Continuation of item 3 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 allsearchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
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.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- 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: 1-7,21-22,25-29,36-39

11: streaming of game video towards set-top box  
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2. claims: 8-14,23-24,30-33

i2: download of game levels onto set-top box  
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3. claims: 15-18,34-35

13: multi playing among networked set-top box and game  
platform  
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4. claims: 19-20

i4: billing of gaming on set-top box  
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/079127

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2005155083	AI	14-07-2005	KR 20050074804	A	19-07-2005
EP 1391226	A	25-02-2004	AT 375187	T	15-10-2007
			DE 60222890	T2	07-02-2008
			US 2004064504	AI	01-04-2004
WO 2004012437	A	05-02-2004	AU 2003257090	AI	16-02-2004
			AU 2003257956	AI	16-02-2004
			EP 1537730	A2	08-06-2005
			EP 1540939	A2	15-06-2005
			JP 2005535181	T	17-11-2005
			JP 2005534368	T	17-11-2005
			WO 2004012065	A2	05-02-2004
US 5781734	A	14-07-1998	NONE.		
US 6409602	BI	25-06-2002	NONE.		
US 6139520	A	31-10-2000	AT 207374	T	15-11-2001
			AU 689622	B2	02-04-1998
			AU 3108395	A	07-03-1996
			BR 9508723	A	06-01-1998
			CA 2197679	AI	22-02-1996
			WO 9604954	AI	22-02-1996
			CN 1168640	A	24-12-1997
			DE 19580865	D2	19-03-1998
			DE 59509755	DI	29-11-2001
			EP 0776230	AI	04-06-1997
			JP 10504210	T	28-04-1998
			US 6296632	BI	02-10-2001
EP 0714684	A	05-06-1996	AU 3912195	A	06-06-1996
			CA 2163500	AI	30-05-1996
			JP 8256146	A	01-10-1996
			SG 89999	AI	23-07-2002
			US 5630757	A	20-05-1997
WO 2004079536	A	16-09-2004	AT 372026	T	15-09-2007
			AU 2004216693	AI	16-09-2004
			CA 2518075	AI	16-09-2004
			DE 502004008586	T2	21-05-2008
			EP 1599999	A2	30-11-2005
US 6699125	B2	02-03-2004	US 2005027382	AI	03-02-2005
			US 2002086732	AI	04-07-2002
			US 2008171601	AI	17-07-2008
US 2004111484	AI	10-06-2004	AU 7025001	A	08-01-2002
			AU 2001270250	B2	27-01-2005
			EP 1299163	AI	09-04-2003
			JP 2004501694	T	22-01-2004
			JP 2004097789	A	02-04-2004
			WO 0200317	AI	03-01-2002
			US 6669564	BI	30-12-2003
			us 2004102248	AI	27-05-2004