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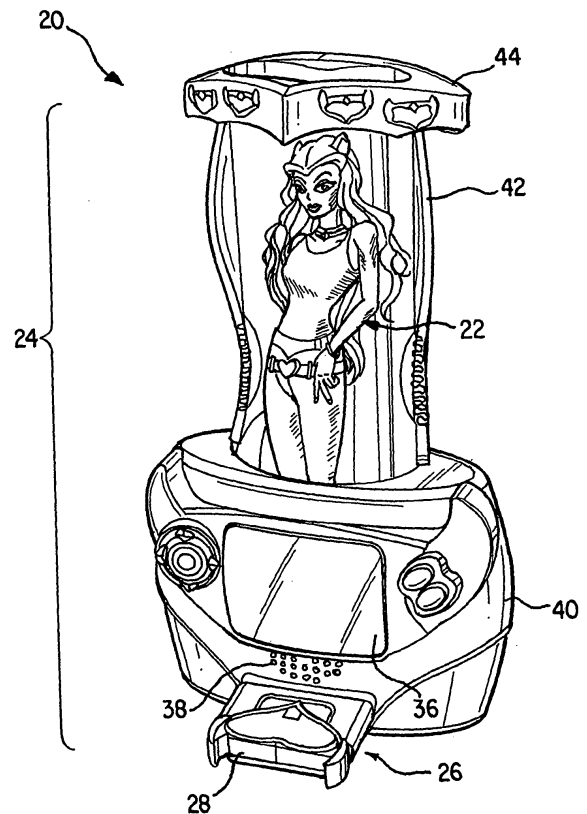
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(54) **Interactive toy system**

(57) Systems and methods for interactive play are provided, including a method of interacting with an action figure. The method includes the steps of providing a base (24) unit having a processor, providing an action figure (22) having a memory which stores data relating to the action figure (22), communicating the data in the form of communication signals to the processor, and presenting an activity instruction based on the communication signals received, with the activity instruction enacting a real-life activity that the action figure can engage in.



**FIG. 1**

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X A Y	GB 2 275 207 A (TYCO INVESTMENT CORP [US]) 24 August 1994 (1994-08-24) * page 2, line 16 - line 32 * * page 4, line 24 - page 5, line 18 * * page 22, line 5 - line 17; figures *	1,2,5,8, 9,11-15 21,22  3,6,7, 10,16-20	INV. A63H3/36 A63H33/04 A63H30/04
X,D A	US 6 648 719 B2 (CHAN ALBERT WAI [CN]) 18 November 2003 (2003-11-18) * column 2, line 29 - column 3, line 48; figures *	1-3,8,9, 11-15 21,22	
X Y	US 6 135 845 A (KLIMPERT RANDALL JON [US] ET AL) 24 October 2000 (2000-10-24) * column 1, line 53 - line 61; claim 1; figures *	4  3,7,10	
Y	US 2004/203317 A1 (SMALL DAVID [US]) 14 October 2004 (2004-10-14) * paragraph [0039] *	6,16-20	
A	WO 84/00503 A (MATTEL INC [US]) 16 February 1984 (1984-02-16) * page 2, line 19 - page 3, line 5; figures *	1,9	TECHNICAL FIELDS SEARCHED (IPC)  A63H
A	WO 02/47013 A (4KIDS ENTERTAINEMENT LICENSING [US]; BECK STEPHEN C [US]) 13 June 2002 (2002-06-13) * page 1, line 16 - page 5, line 4 * * page 8, line 12 - page 13, line 8; figures *	23-38	
A	WO 2004/054123 A (AHMED SHAHOOD [GB]) 24 June 2004 (2004-06-24) * page 5, line 3 - page 9, line 15; figures *	23-30	
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The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>9 August 2007</b>	Examiner <b>Lucas, Peter</b>
<b>CATEGORY OF CITED DOCUMENTS</b> X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04C01)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 6 110 000 A (TING CHARLES [TW]) 29 August 2000 (2000-08-29) * column 1, line 36 - column 2, line 7 * * column 3, line 11 - line 42; figures * -----	23-30	
A	WO 00/09229 A (TIGER ELECTRONICS LTD [US]; RISSMAN OWEN R [US]; NG VICTOR [CN]) 24 February 2000 (2000-02-24) * page 11, line 9 - page 13, line 18; figures * -----	31-38	
A	US 2003/148700 A1 (ARLINSKY DAVID [IL] ET AL) 7 August 2003 (2003-08-07) * paragraphs [0003] - [0016]; figures * -----	39-46	
A	EP 1 486 237 A (HAUSEMANN EN HOETTE BV [NL]) 15 December 2004 (2004-12-15) * paragraphs [0011] - [0022]; figures * -----	39-46	
A	WO 01/97937 A (SHACKELFORD JUDITH ANN [US]) 27 December 2001 (2001-12-27) * page 6, line 6 - page 7, line 25 * * page 9, line 4 - page 13, line 10; figures * -----	39-46	
9 The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
Place of search Munich		Date of completion of the search 9 August 2007	Examiner Lucas, Peter
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone                      Y : particularly relevant if combined with another document of the same category                      A : technological background                      O : non-written disclosure                      P : intermediate document</p> <p>T : theory or principle underlying the invention                      E : earlier patent document, but published on, or after the filing date                      D : document cited in the application                      L : document cited for other reasons                      .....                      &amp; : member of the same patent family, corresponding document</p>			

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**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-20

Method of interacting with an action figure and a corresponding play system, essentially comprising the steps of providing a base with a processor and providing the action figure with a memory communicating with base and presenting an activity. Solving the problem of providing an activity based on the data from the figure.

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2. claims: 21-22

Method of interactive play, essentially comprising the steps of electrically coupling a doll and a storage device to the base station and determining the identity of the doll and determining whether the appropriate storage device has been coupled to the base station. Solving the problem of identifying different parts.

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3. claims: 23-30

Method of interacting with an action figure, essentially comprising the steps of providing a base unit, a base station and an action figure all comprising an antenna. The base unit further having an infrared receiver and the base station further having an infrared transmitter. Solving the problem of transmitting the information in a selected sequence via different antennas and infrared transmitters.

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4. claims: 31-38

Method of interacting with an action figure, essentially comprising the steps of providing a base unit with a first port, and a removably coupled storage device with a second port and a first antenna, and an action figure having a second antenna. Solving the problem of communicating the data from the action figure in a selected sequence between the ports and the antennas.

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5. claims: 39-42

Method of building an object, essentially comprising the steps of providing a base unit, selecting a desired object to be build and connecting pieces to the base unit and verifying whether each piece is connected correctly. Solving the problem of building an object in a specific way.

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

6. claims: 43-46

Method of building an object, essentially comprising the steps of providing a base unit, connecting a piece to the base unit, based on identity of the connected piece, presenting a plurality of objects that can be build using said piece. Solving the problem of presenting different objects that can be build from a specific piece.

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ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 06 02 1643

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-08-2007

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 2275207	A	24-08-1994	AU 5483994 A	04-08-1994
			CA 2113329 A1	03-08-1994
-----				
US 6648719	B2	18-11-2003	CA 2307333 A1	01-11-2001
			GB 2364254 A	23-01-2002
			US 2001041495 A1	15-11-2001
-----				
US 6135845	A	24-10-2000	NONE	
-----				
US 2004203317	A1	14-10-2004	NONE	
-----				
WO 8400503	A	16-02-1984	EP 0116052 A1	22-08-1984
			IT 1197672 B	06-12-1988
			JP 59501447 T	16-08-1984
			US 4484408 A	27-11-1984
-----				
WO 0247013	A	13-06-2002	AU 4156202 A	18-06-2002
			CA 2428631 A1	13-06-2002
			EP 1350215 A2	08-10-2003
			JP 2004515289 T	27-05-2004
-----				
WO 2004054123	A	24-06-2004	AU 2003269221 A1	30-06-2004
			EP 1547260 A1	29-06-2005
-----				
US 6110000	A	29-08-2000	NONE	
-----				
WO 0009229	A	24-02-2000	AU 6129299 A	06-03-2000
-----				
US 2003148700	A1	07-08-2003	NONE	
-----				
EP 1486237	A	15-12-2004	NONE	
-----				
WO 0197937	A	27-12-2001	AU 6844101 A	02-01-2002
			US 6443796 B1	03-09-2002
-----				