

### US006160986A

## United States Patent [19]

### Gabai et al.

6,160,986 [11] **Patent Number:** 

Dec. 12, 2000 **Date of Patent:** [45]

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Primary Examiner—Joe H. Cheng Attorney, Agent, or Firm-Darby & Darby

#### [57] **ABSTRACT**

Interactive toy apparatus including:

- a toy having a fanciful physical appearance and including:
  - at least one audio transducer; and
  - a toy transceiver communicating with the audio transducer; and
- a computer including:
  - a user input receiver;
  - a user information storage unit storing information relating to a user's preferences received from a user via the user input receiver and relating to a user;
  - a computer transceiver;
  - a speech recognition unit receiving speech inputs from the user; and
  - an interactive content controller employing the information relating to the user's preferences received via the user input receiver and stored in the user information storage unit and also employing the speech recognition output for providing interactive audio content to the user at the toy.

## 8 Claims, 188 Drawing Sheets

#### [54] INTERACTIVE TOY Inventors: Oz Gabai, Jacob Gabai, both of Tel Aviv; Nimrod Sandlerman, Ramat Gan, all of Israel [73] Assignee: Creator LTD, Givat Shmuel, Israel Appl. No.: 09/081,255 [21] [22] Filed: May 19, 1998 [30] Foreign Application Priority Data Apr. 16, 1998 [IL] Israel ...... 124122 Int. Cl.<sup>7</sup> ...... G09B 5/00 **U.S. Cl.** ...... 434/308; 434/307 R; 434/323; 446/298; 463/35; 463/39 446/297, 298, 301, 302, 340, 341, 354, 397; 434/169, 185, 307 R, 308, 322, 362, 365, 323, 353; 463/1, 35, 39; 273/460; 340/825.44, 825.46, 825.47, 825.69; 704/235, 246, 253, 260, 272, 275, 276; 345/50, 473, 474; 360/79; 386/97, 104; 381/110; 367/198;

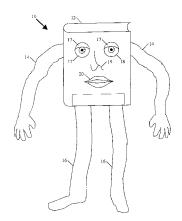
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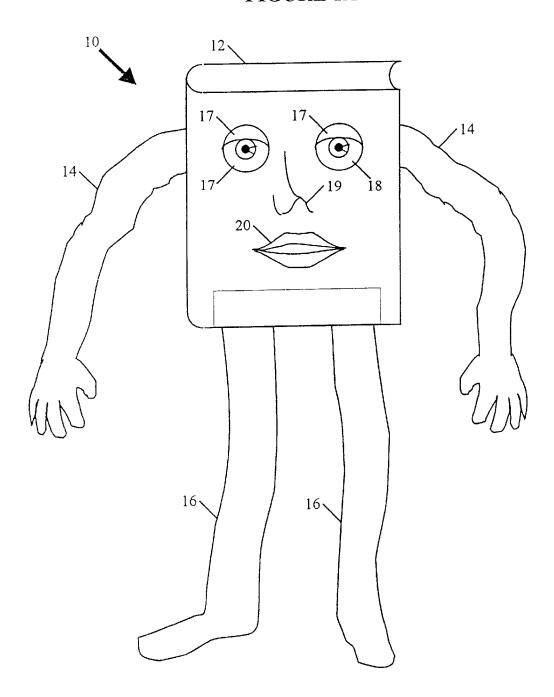
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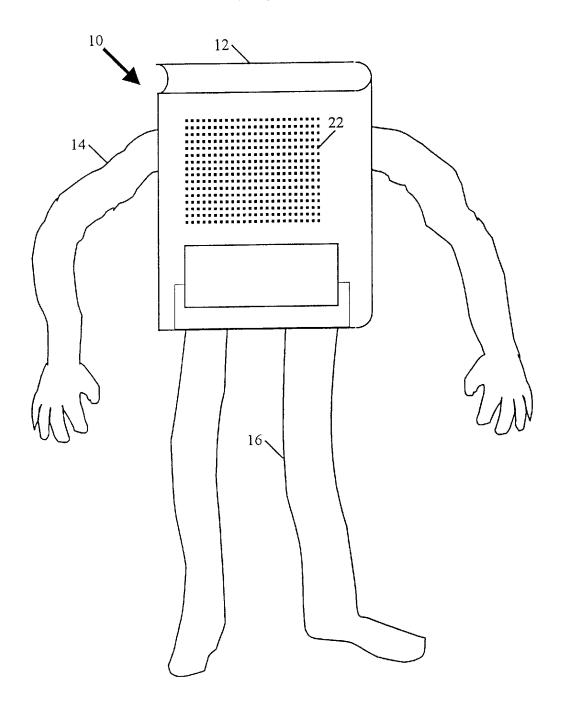
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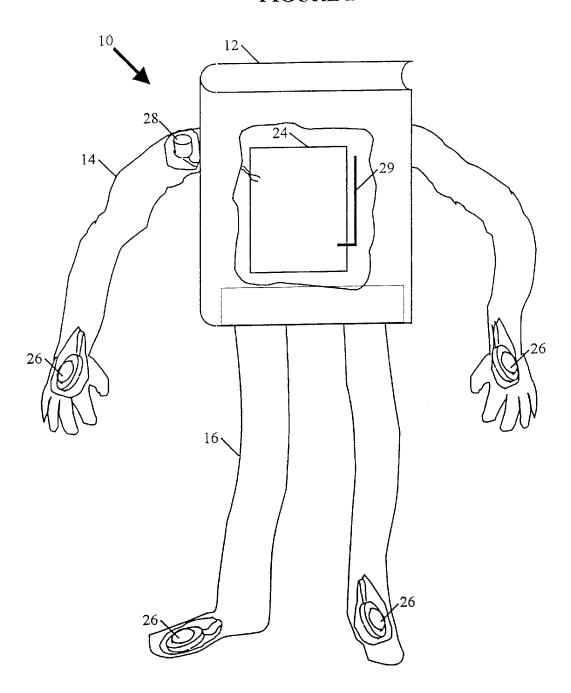
# FIGURE 1A



# FIGURE 1B



# FIGURE 2



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