



(12) **United States Patent**
Toyoda

(10) **Patent No.:** **US 6,452,348 B1**
(45) **Date of Patent:** **Sep. 17, 2002**

(54) **ROBOT CONTROL DEVICE, ROBOT CONTROL METHOD AND STORAGE MEDIUM**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/724,988**

(22) Filed: **Nov. 28, 2000**

(30) **Foreign Application Priority Data**

Nov. 30, 1999 (JP) 11-340466

(51) **Int. Cl.⁷** **H02K 7/14**

(52) **U.S. Cl.** **318/3; 318/632; 700/259; 434/308**

(58) **Field of Search** 318/3, 632; 446/268, 446/279, 280, 298, 299, 330; 381/110; 700/258, 259; 901/46, 47; 434/308; 463/35, 39

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(57) **ABSTRACT**

A robot control device for controlling a robot having a substantial entertainment value is disclosed. A sensor signal processor recognizes the voice of a user, sets an association between the voice recognition result and an action of the robot, and registers the association in a behavior association table of a behavior association table memory. A behavior decision unit decides which action for the robot to take based on the behavior association table.

8 Claims, 9 Drawing Sheets

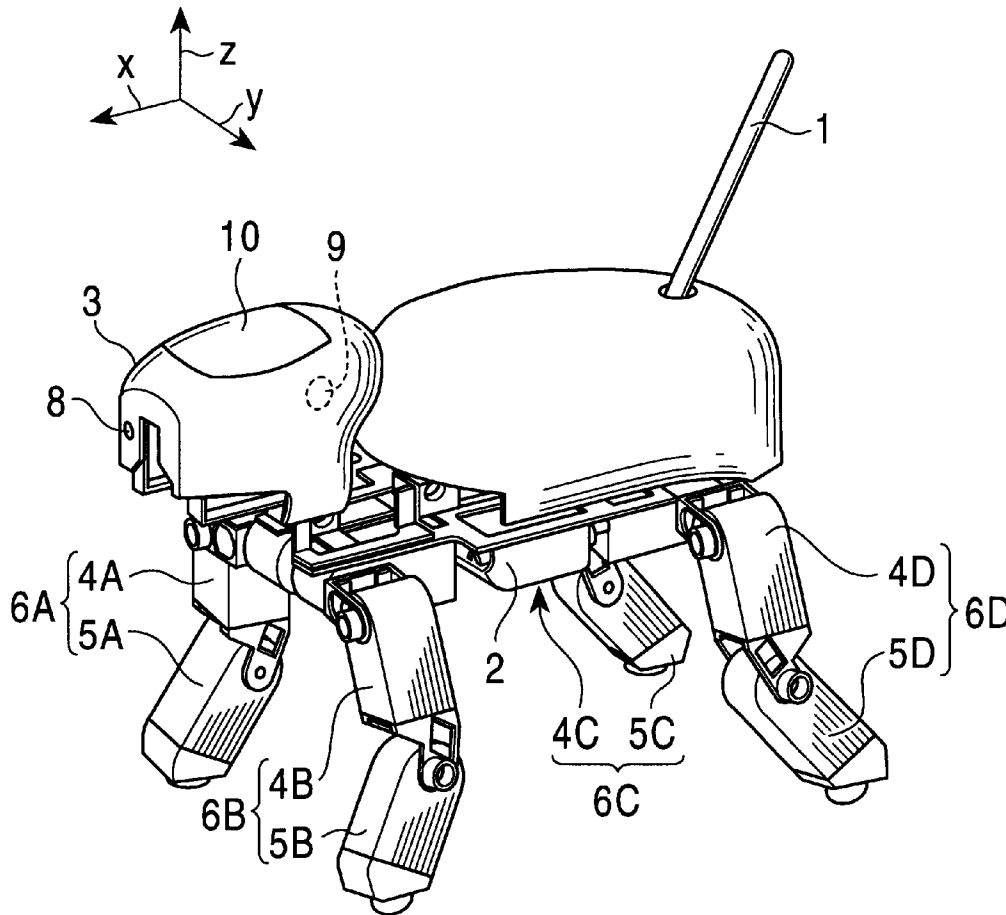


FIG. 1

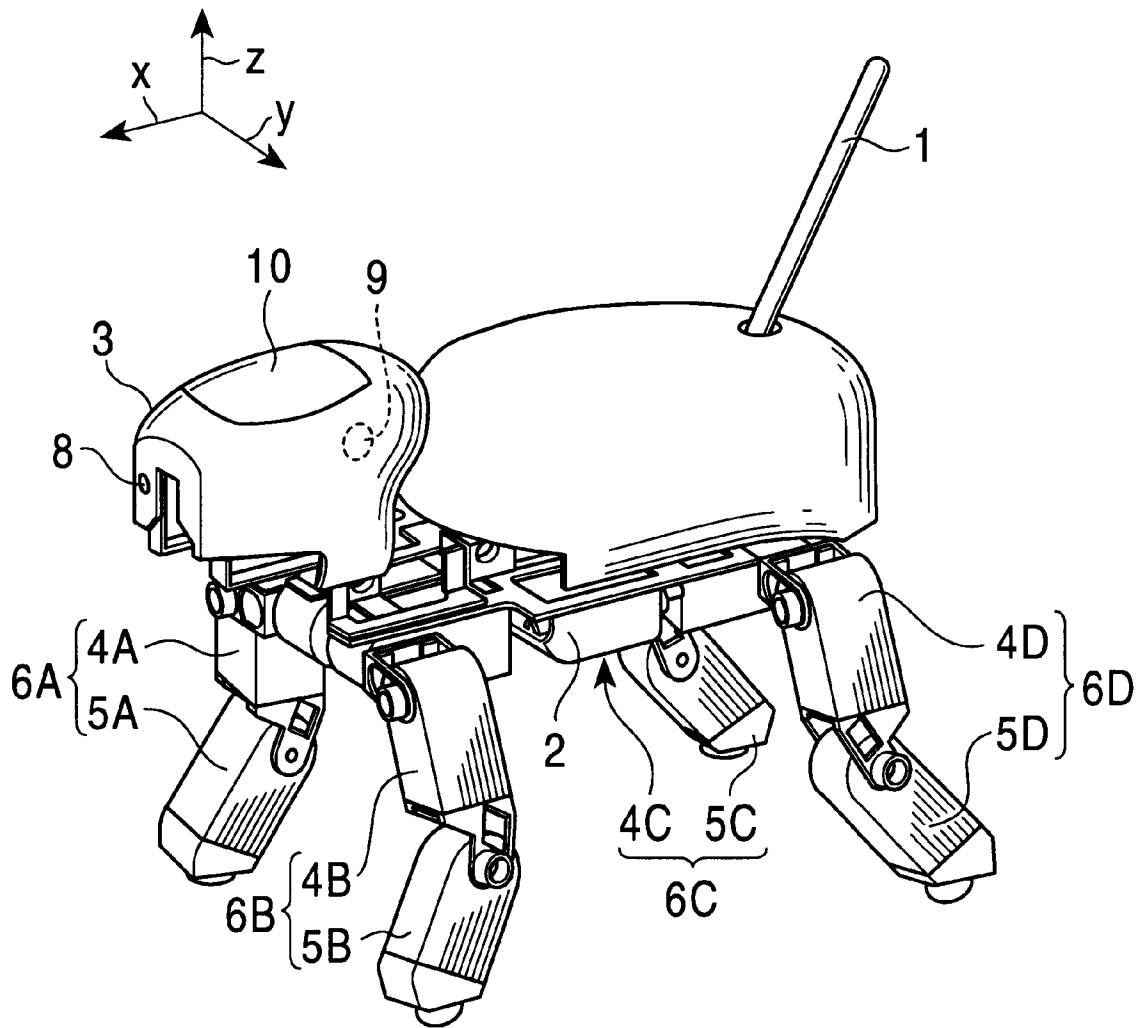


FIG. 2

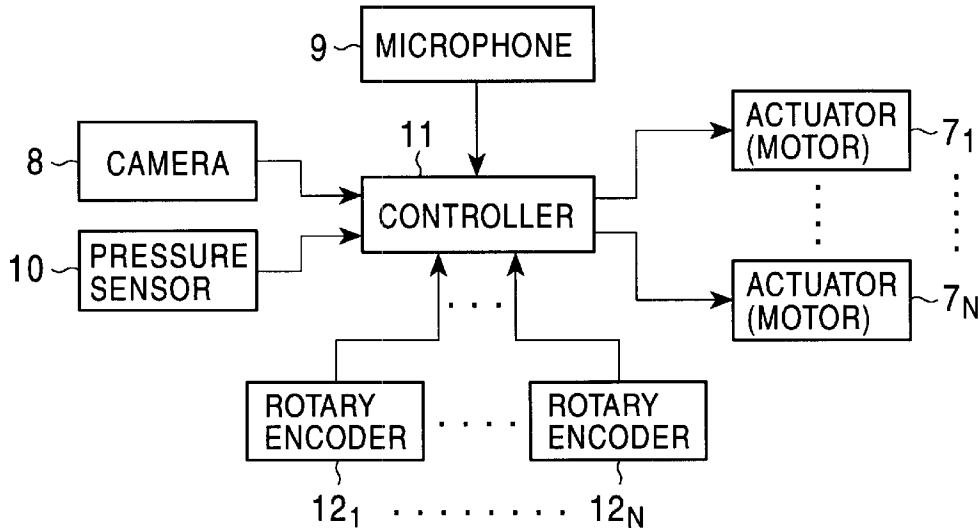


FIG. 3

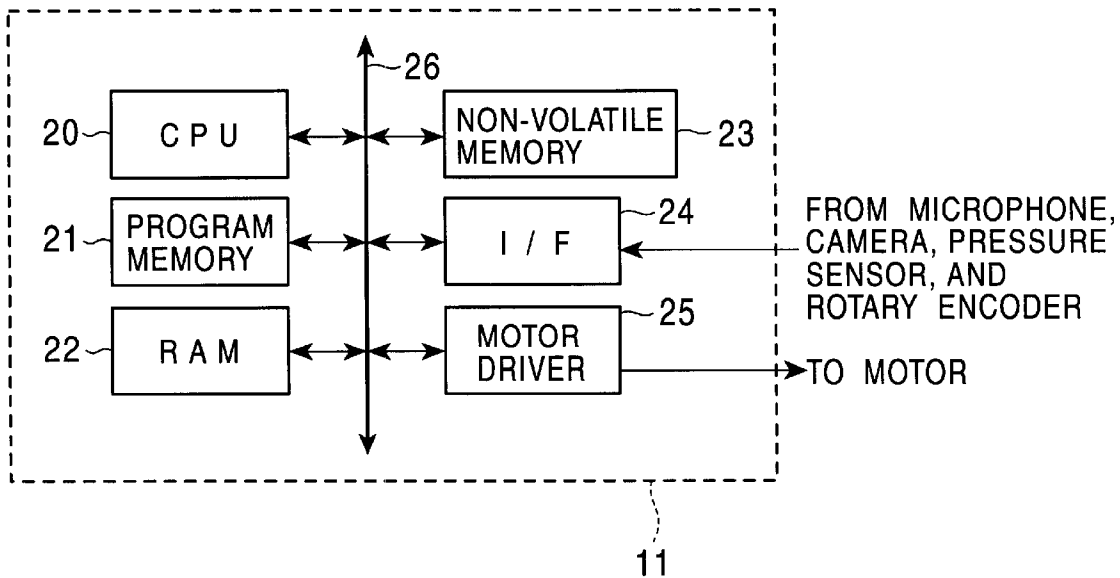


FIG. 4

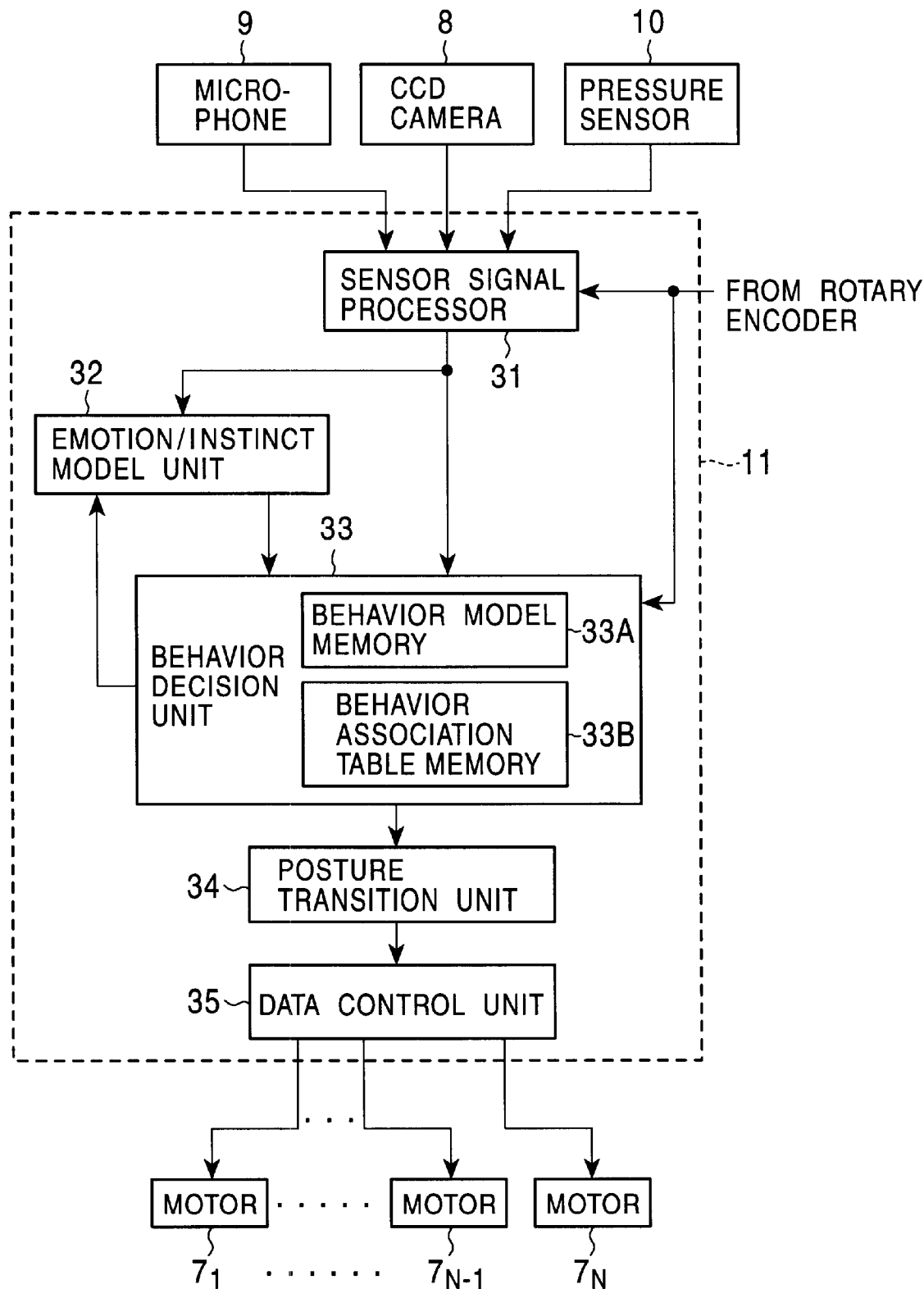


FIG. 5

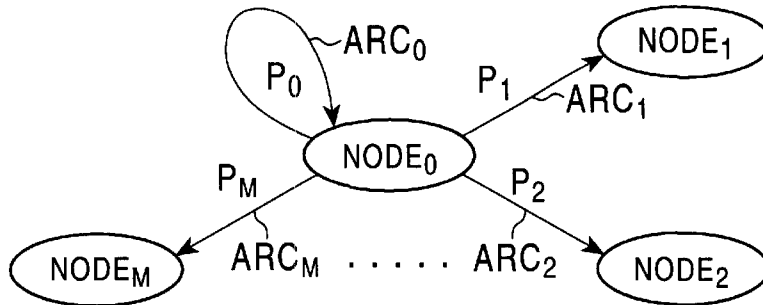


FIG. 6

BEHAV- IOR WORDS	WALKING FORWARD	LOOKING UP	BITING	HAND- SHAKING
HEY	10	0	20	0
COME HERE	60	0	0	0
SHAKE HANDS	0	20	0	70
⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮

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