

(12) United States Design Patent (10) Patent No.: US D456,805 S (45) **Date of Patent:** May 7, 2002 **Ono et al.** **

PERSONAL DIGITAL ASSISTANT (54)

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- 14 Years (**) Term:
- (21) A and N₂ . 20/120.044

FIG. 2 is a rear elevational view thereof; FIG. 3 is a left side view thereof; FIG. 4 is a right side view thereof; FIG. 5 is a top plan view thereof; FIG. 6 is a bottom plan view thereof; FIG. 7 is a front elevational view thereof, with a pen detached; FIG. 8 is a top, front, right side perspective view thereof;

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References Cited (56)**U.S. PATENT DOCUMENTS**

D397,679 S	*	9/1998	Hawkins et al D14/342
D408,021 S	≉	4/1999	Haitani et al D14/345
D410,486 S	*	6/1999	Takahata et al D18/2
D423,468 S	≉	4/2000	Jenkins D14/342
D434,034 S	*	11/2000	Burke et al D14/341

* cited by examiner

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FIG. 9 is a top, front, right side perspective view thereof, with a cover attached;

FIG. 10 is a front elevational view of a second embodiment thereof;

FIG. 11 is a rear elevational view thereof;

FIG. 12 is a left side view thereof;

FIG. 13 is a right side view thereof;

FIG. 14 is a top plan view thereof;

FIG. 15 is a bottom plan view thereof;

FIG. 16 is a front elevational view thereof, with a pen detached;

FIG. 17 is a top, front, right side perspective view thereof; FIG. 18 is a top, front, right side perspective view thereof, with a cover attached;

FIG. 19 is a front elevational view of a cover shown separately for clarity of illustration only;

FIG. 20 is a rear elevational view of the cover;

FIG. 21 is a right side view of the cover, the left side view being a mirror image;

(57)CLAIM

The ornamental design for personal digital assistant, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a personal digital assistant showing our new design;

FIG. 22 is a top plan view of the cover; FIG. 23 is a bottom plan view of the cover; and, FIG. 24 is a top, front, right side perspective view of the cover.

1 Claim, 19 Drawing Sheets



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Fig.3











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Fig.5





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Fig.11

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Fig. 12







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Fig.14





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Fig. 18

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Fig.22





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