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Shanahan

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(54) **METHODS AND APPARATUS FOR PROGRAMMING USER-DEFINED INFORMATION INTO ELECTRONIC DEVICES**

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(52) **U.S. Cl.** **455/419; 455/567; 455/414.1; 455/426.1; 709/200**

(58) **Field of Classification Search** 455/418, 455/412.1, 414.1, 413, 419, 420, 424, 425, 455/426.1, 567; 379/67, 815, 88.02, 67.1, 379/68; 709/200

See application file for complete search history.

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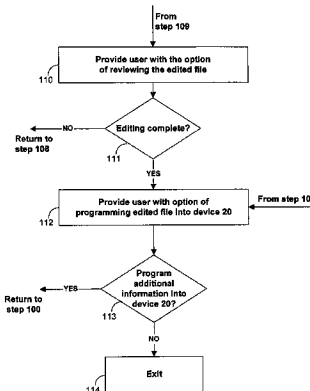
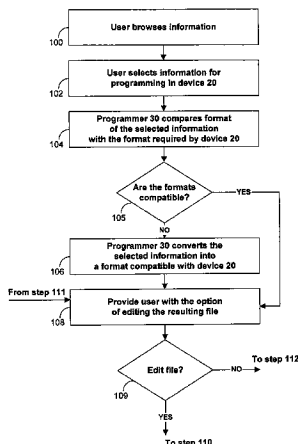
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(57) **ABSTRACT**

A device for programming user-defined information into an electronic device is provided. The programmer allows a user to program customized information, such as user-selected audio, video, or Internet access information into his or her programmable device. Such electronic devices include wireless telephones, pagers, and personal digital assistants. The programmer allows a user to, among other things, customize the device to suit his or her particular taste.

10 Claims, 13 Drawing Sheets



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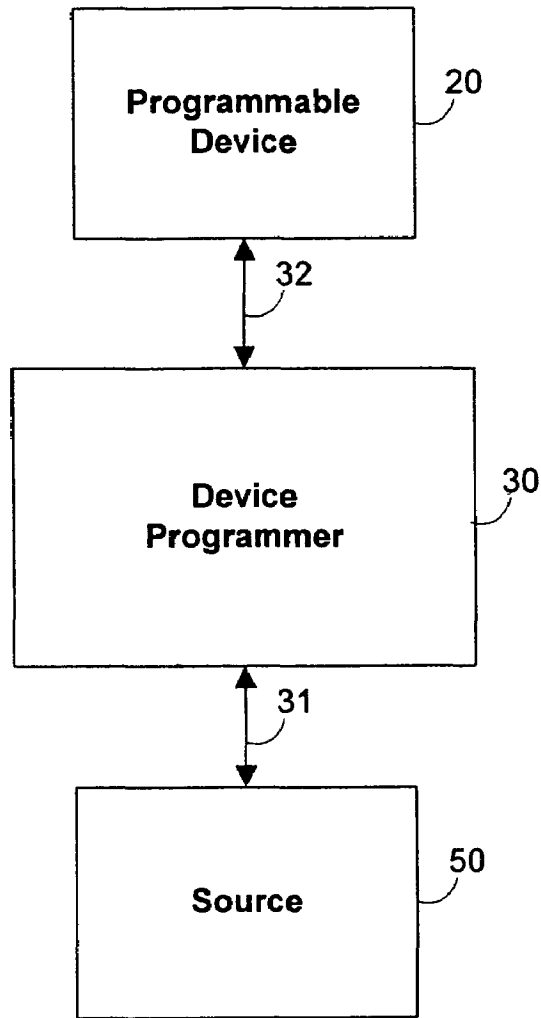


FIG. 1

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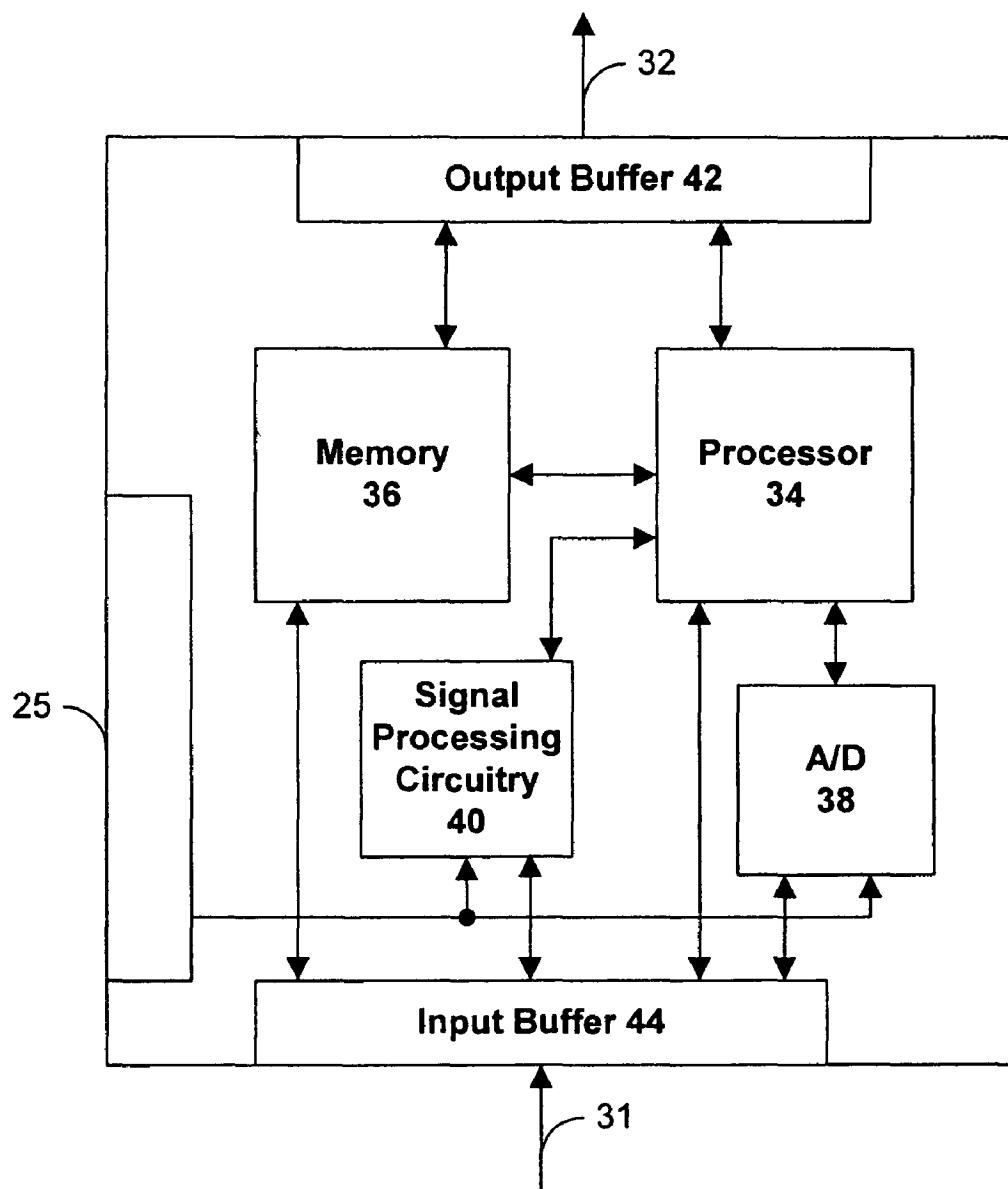


FIG. 2

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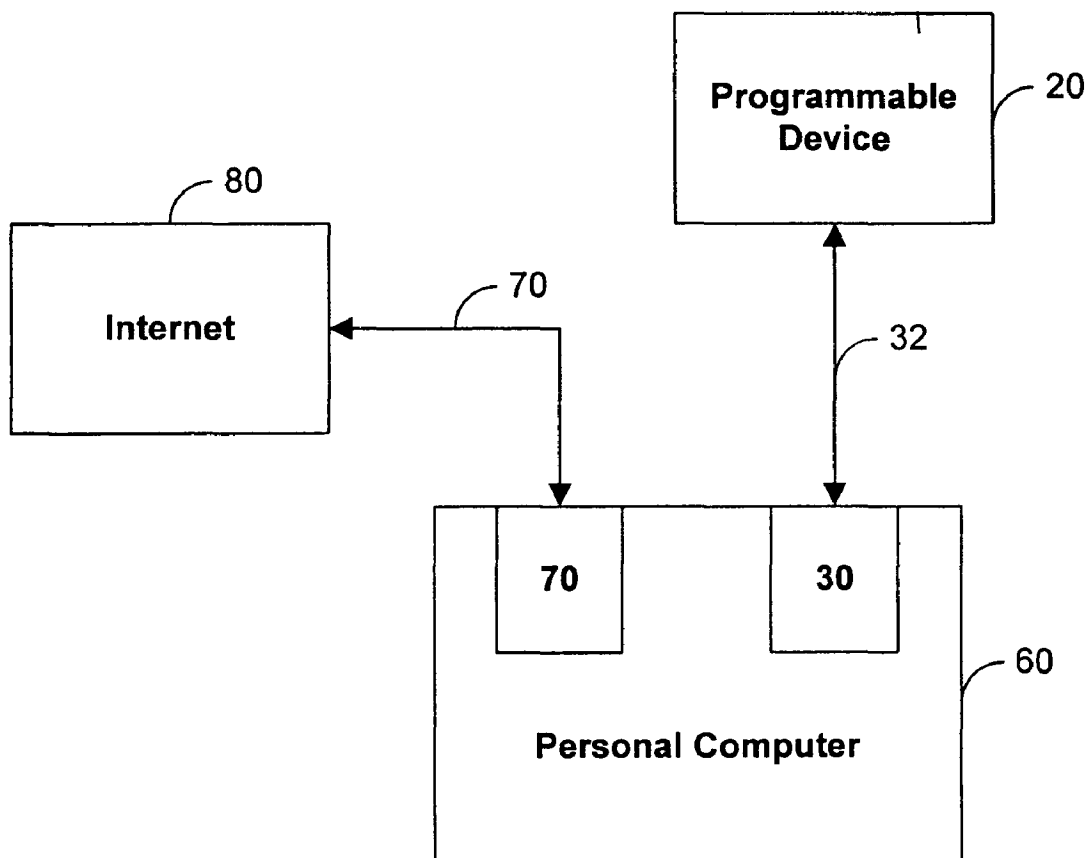


FIG. 3

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