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Shanahan

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

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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.

This patent is subject to a terminal disclaimer.

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(63) Continuation of application No. 13/615,013, filed on Sep. 13, 2012, now Pat. No. 8,452,272, which is a continuation of application No. 13/471,161, filed on May 14, 2012, now Pat. No. 8,401,537, which is a continuation of application No. 13/316,203, filed on Dec. 9, 2011, now Pat. No. 8,521,234, which is a continuation of application No. 12/128,991, filed on May 29, 2008, now Pat. No. 8,170,538, which is a continuation of application No. 11/633,142, filed on Dec. 2, 2006, now Pat. No. 7,555,317, which is a continuation of application No. 10/600,975, filed on Jun. 20, 2003, now Pat. No. 7,149,509, which is a continuation of application No. 09/518,846, filed on Mar. 3, 2000, now abandoned.

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H04M 3/00 (2006.01)

(52) **U.S. Cl.**
USPC **455/418**; 455/557; 455/567

(58) **Field of Classification Search**
USPC 455/414.1, 415, 418, 419, 566, 577
See application file for complete search history.

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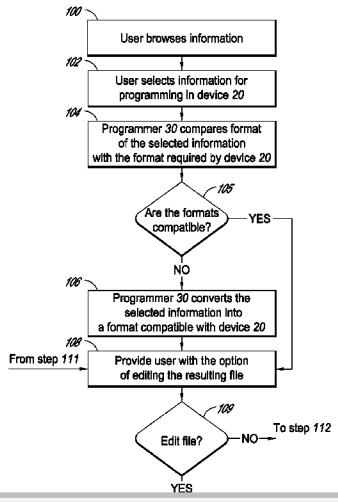
(57) **ABSTRACT**

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.

44 Claims, 13 Drawing Sheets



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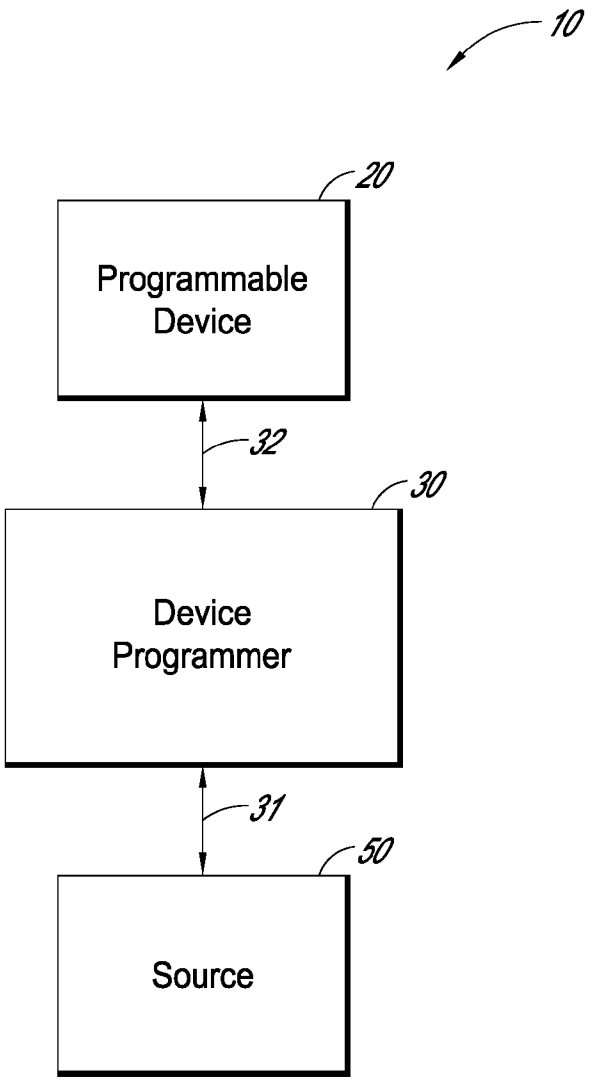

FIG. 1

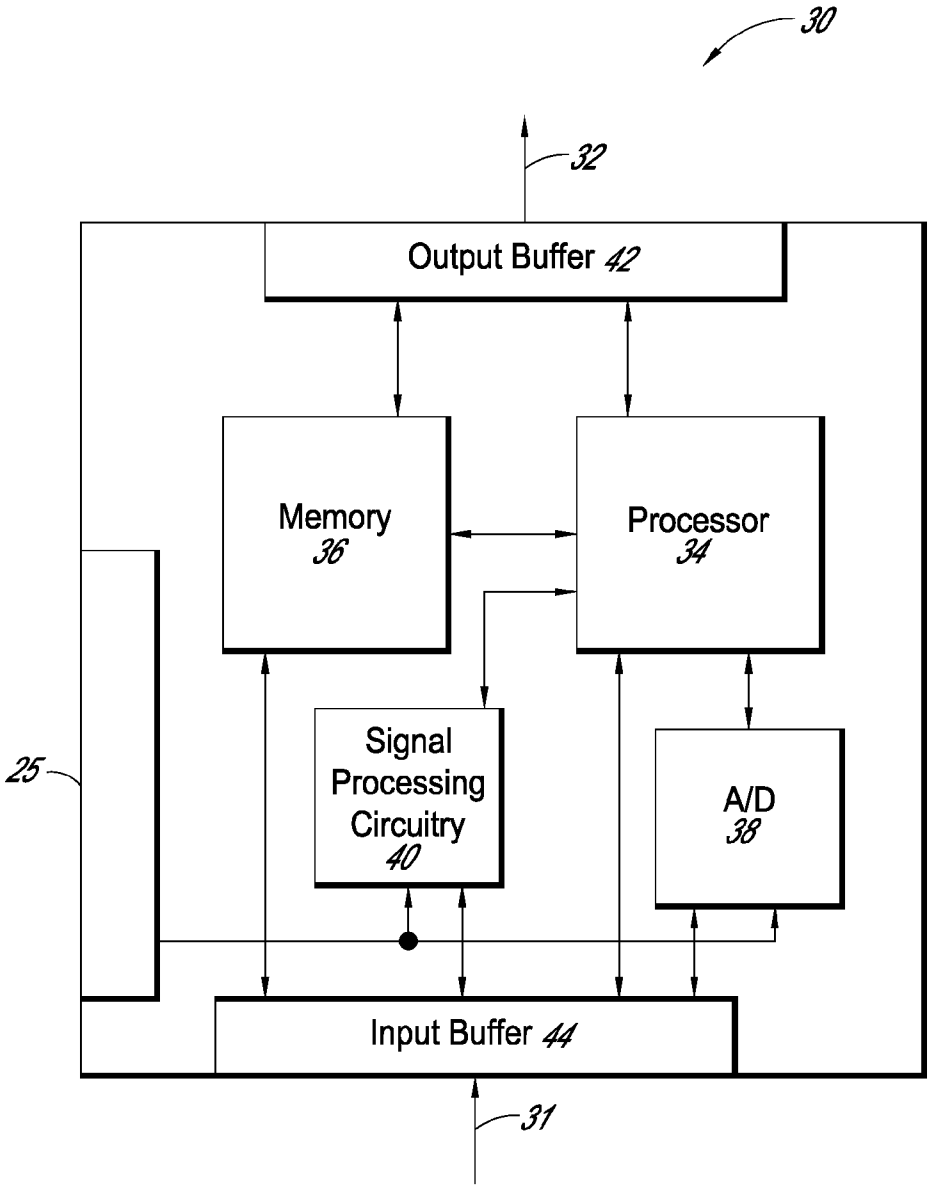

FIG. 2

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