



US008667297B2

(12) **United States Patent**  
**Salter et al.**

(10) **Patent No.:** **US 8,667,297 B2**  
(45) **Date of Patent:** **Mar. 4, 2014**

(54) **KEY WITH INTEGRAL BIOMETRIC INPUT DEVICE**

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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 28 days.

(21) Appl. No.: **12/897,886**

(22) Filed: **Oct. 5, 2010**

(65) **Prior Publication Data**  
US 2012/0083311 A1 Apr. 5, 2012

(51) **Int. Cl.**  
**G06F 21/00** (2013.01)  
**H04M 1/66** (2006.01)  
**H04M 1/68** (2006.01)  
**H04M 3/16** (2006.01)  
**G06K 9/00** (2006.01)

(52) **U.S. Cl.**  
USPC ..... **713/186**

(58) **Field of Classification Search**  
USPC ..... 455/410, 550.1, 411; 382/124, 115,  
382/116; 713/182, 186  
See application file for complete search history.

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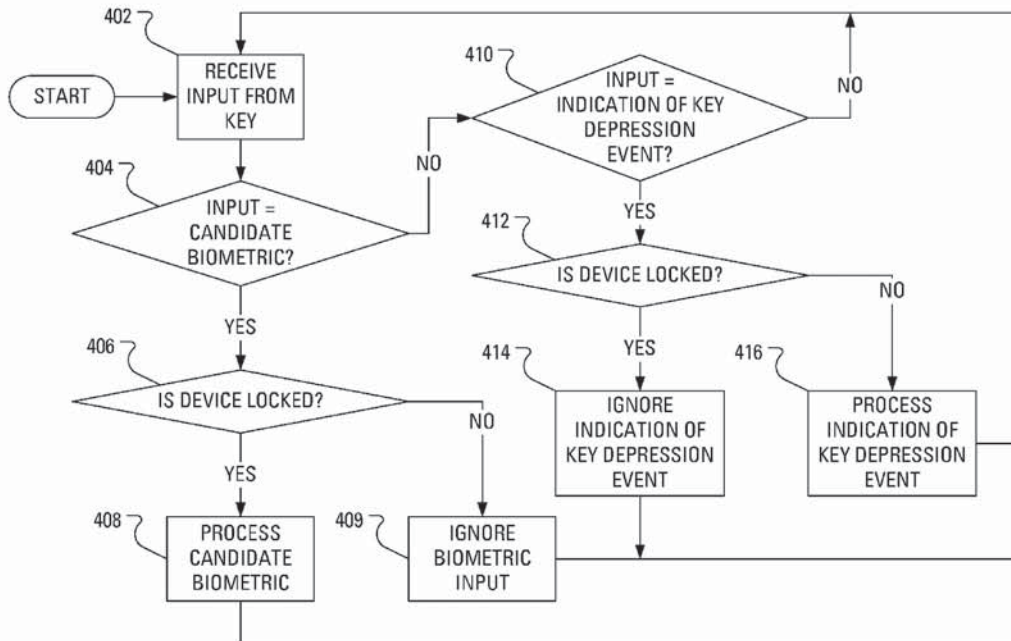
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(57) **ABSTRACT**

A key integrates with a biometric input device. According to an aspect of the present disclosure, a fingerprint scanner may be integral with a spacebar.

**13 Claims, 4 Drawing Sheets**



**Apple and Samsung Ex. 1109**

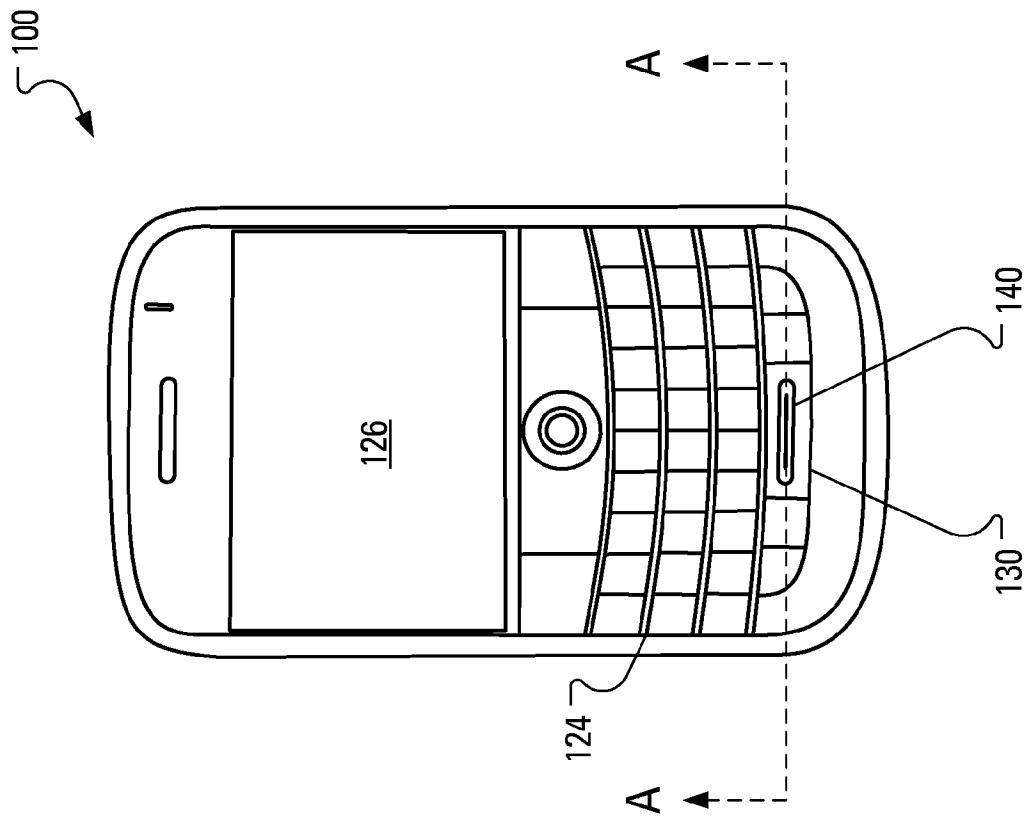


FIG. 1

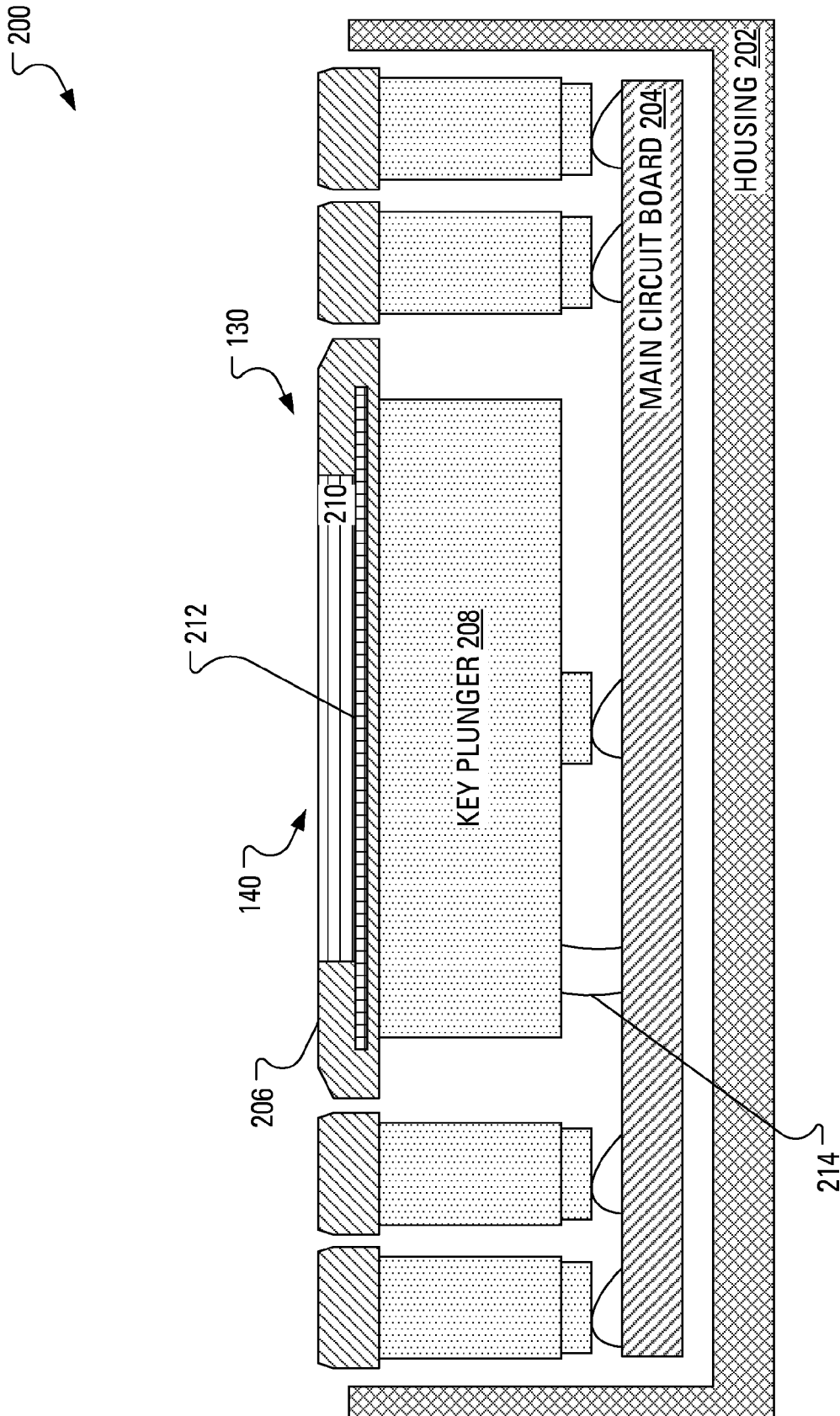


FIG. 2

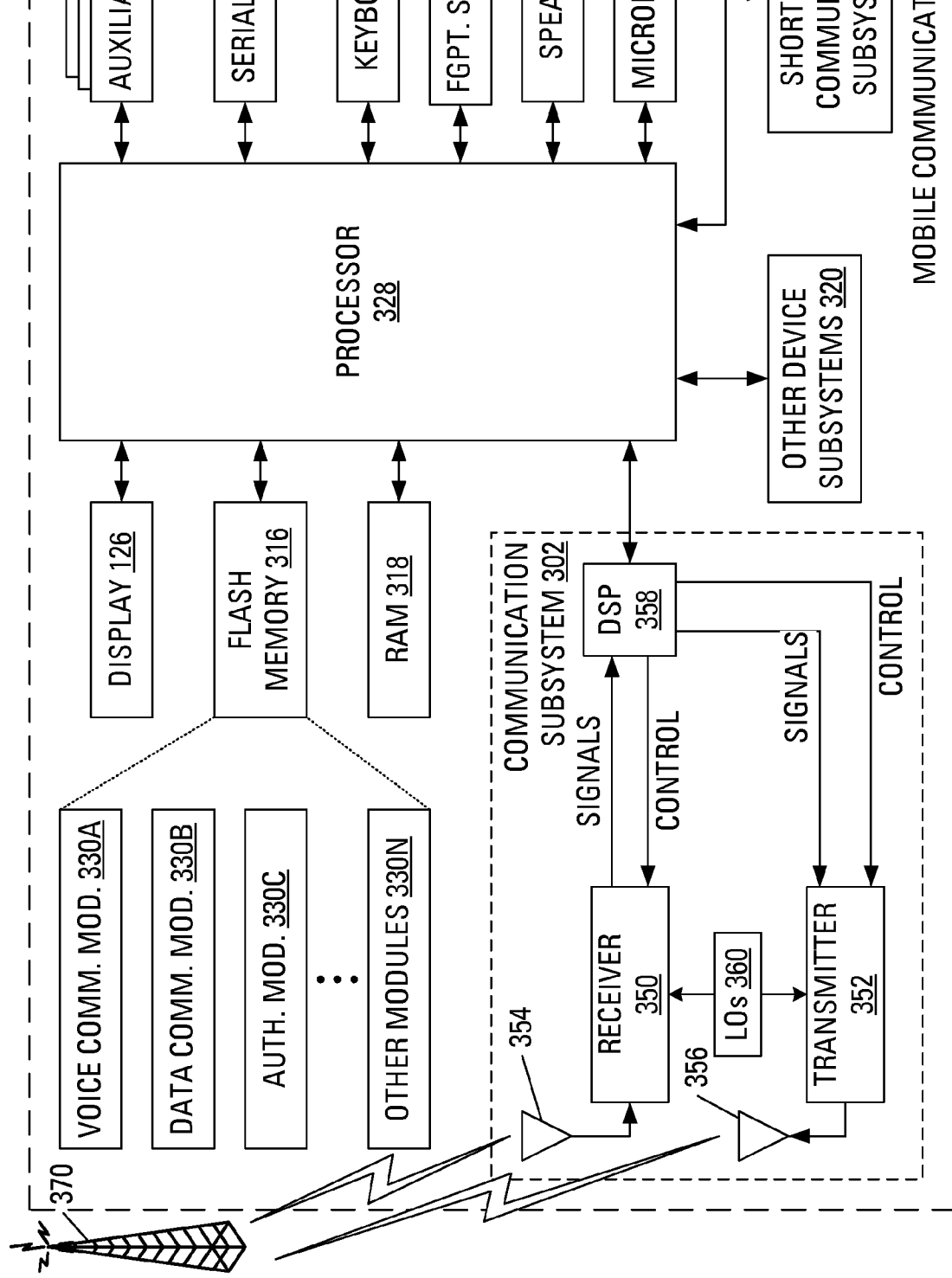


FIG. 3

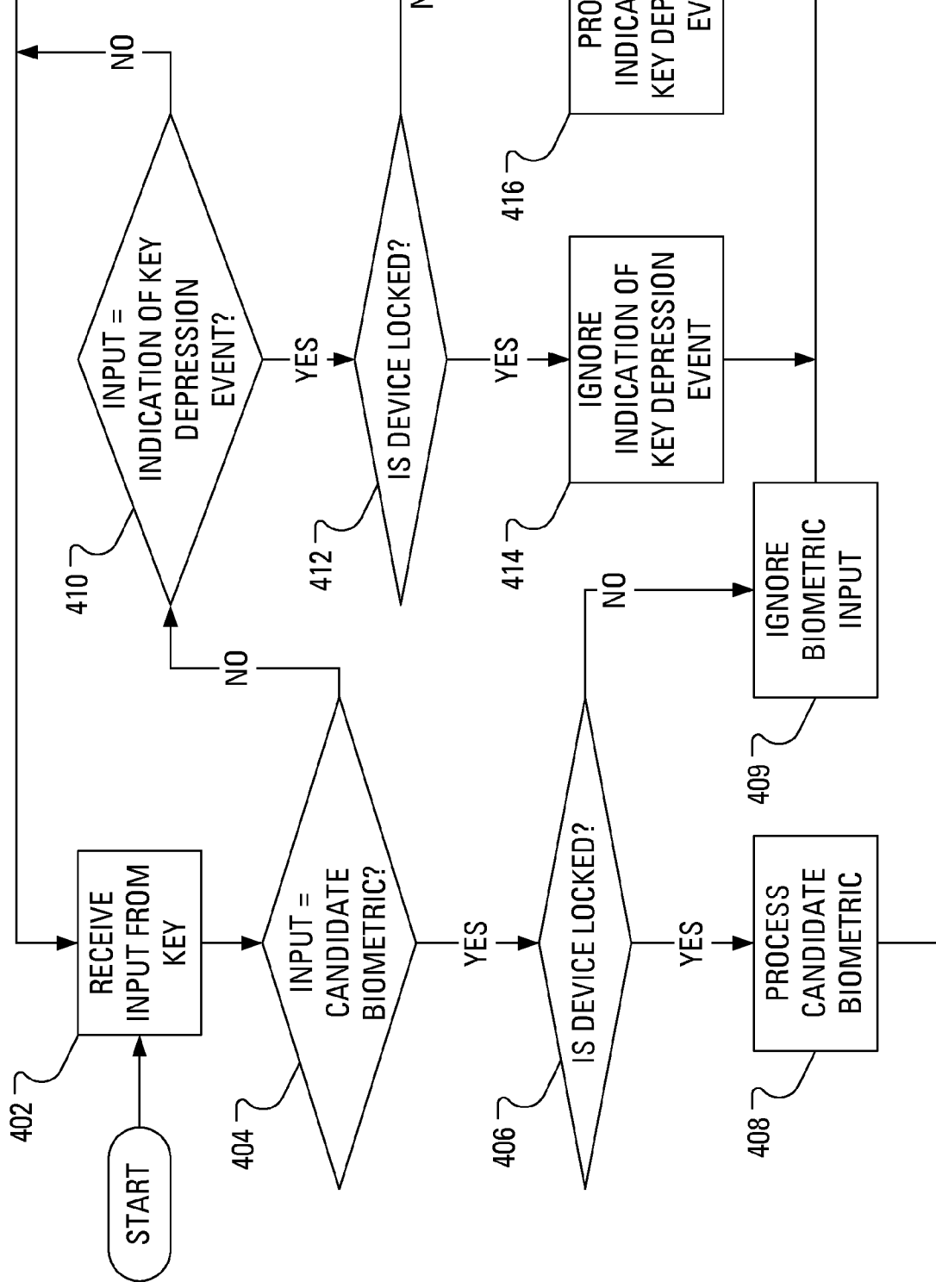


FIG. 4

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