



US008732827B1

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

(10) **Patent No.:** **US 8,732,827 B1**
(45) **Date of Patent:** ***May 20, 2014**

(54) **SMARTPHONE SECURITY SYSTEM**

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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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(21) Appl. No.: **13/757,898**

(22) Filed: **Feb. 4, 2013**

Related U.S. Application Data

(63) Continuation of application No. 13/563,769, filed on Aug. 1, 2012, now Pat. No. 8,387,141.

(60) Provisional application No. 61/539,740, filed on Sep. 27, 2011.

(51) **Int. Cl.**
H04L 29/06 (2006.01)

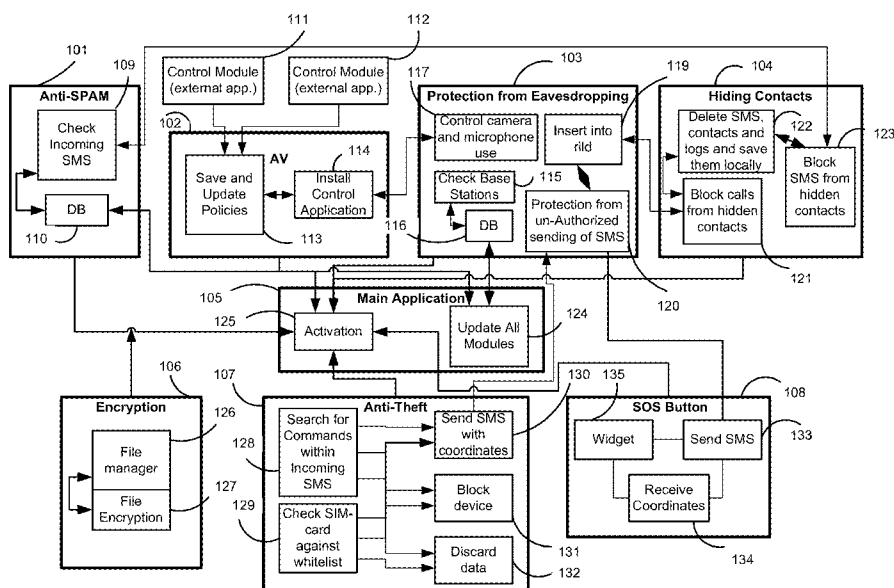
(52) **U.S. Cl.**
USPC **726/22**

(58) **Field of Classification Search**
USPC **726/22**
See application file for complete search history.

(57) **ABSTRACT**

System for protecting a mobile device against malware or harmful communications via calls and SMSs. A security module for a personal mobile device protects the device (and the user) against malicious communication, unauthorized access to resources and user private data, and against other security threats. The security module includes a combination of some or all of the following features: control of third-party applications, validation of the SMS sender's number, protection against fake contact name of the SMS sender, collection of data about fraudulent and spam SMS messages, robust sending of SOS SMSs and SOS e-mails with geographic coordinates of the mobile device, verification of validity of the base station, deletion of user data from a mobile device remotely, locking of a phone until the password is entered and filtering calls and SMS messages.

29 Claims, 15 Drawing Sheets



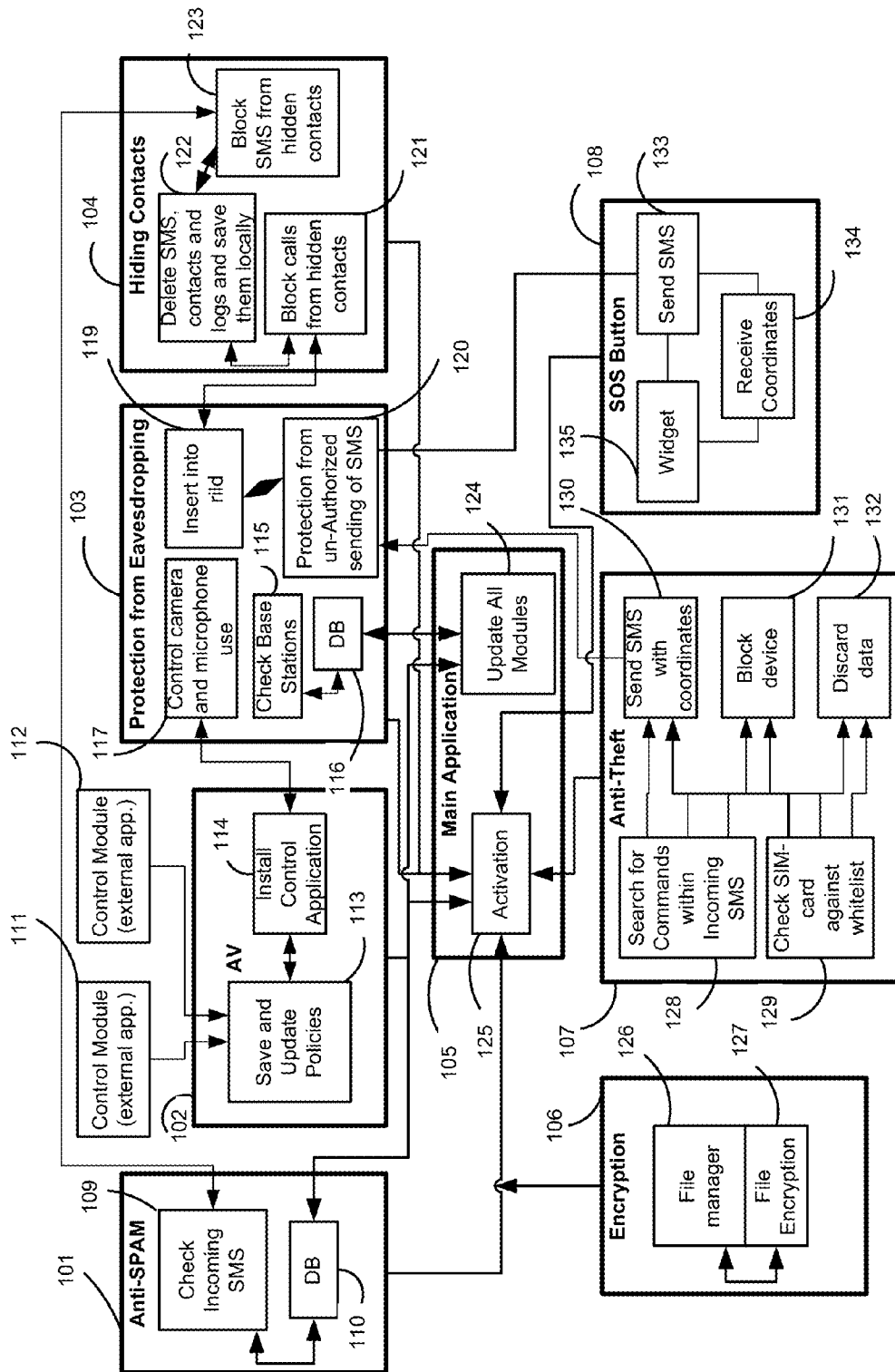


FIG. 1

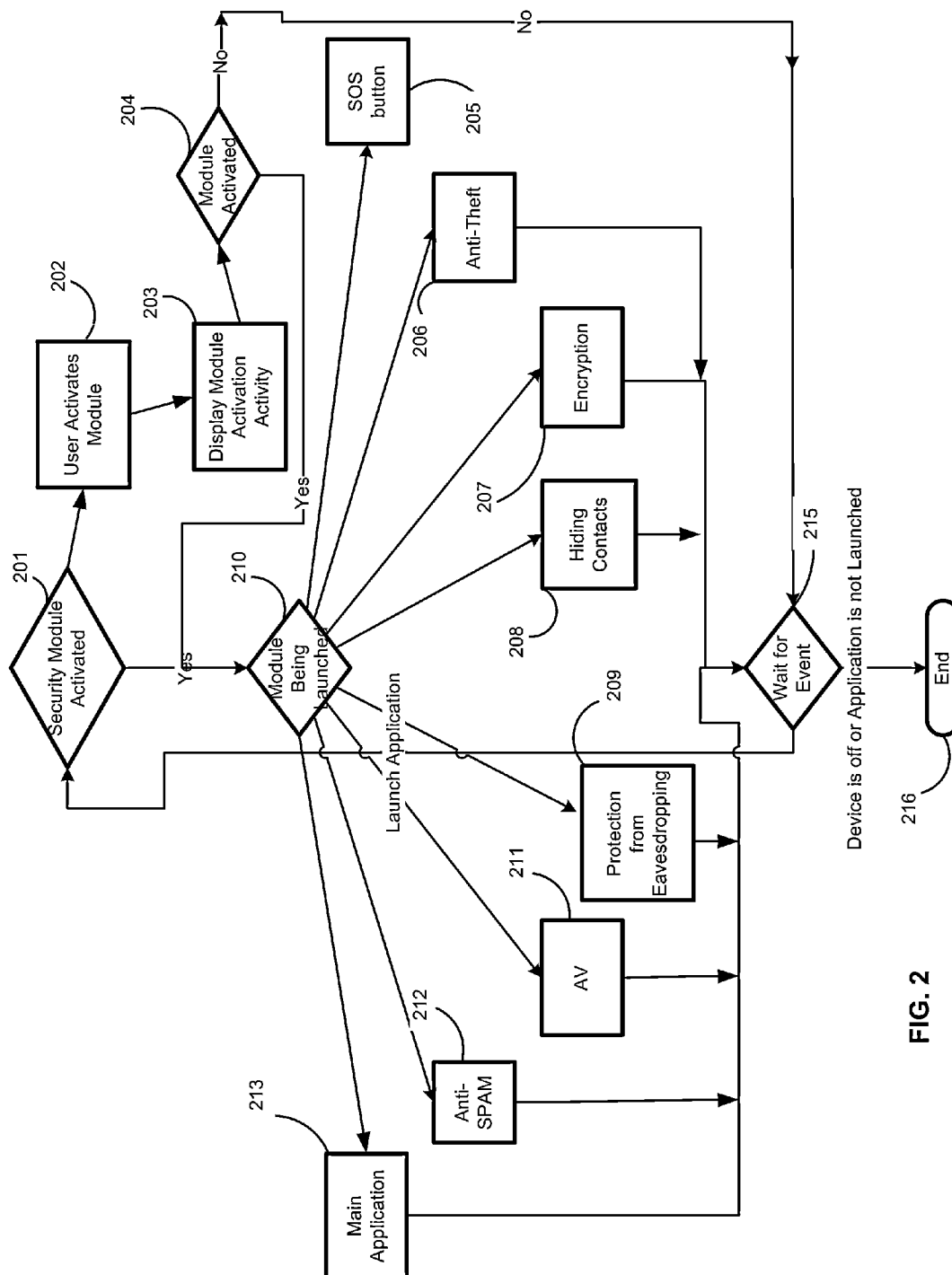


FIG. 2

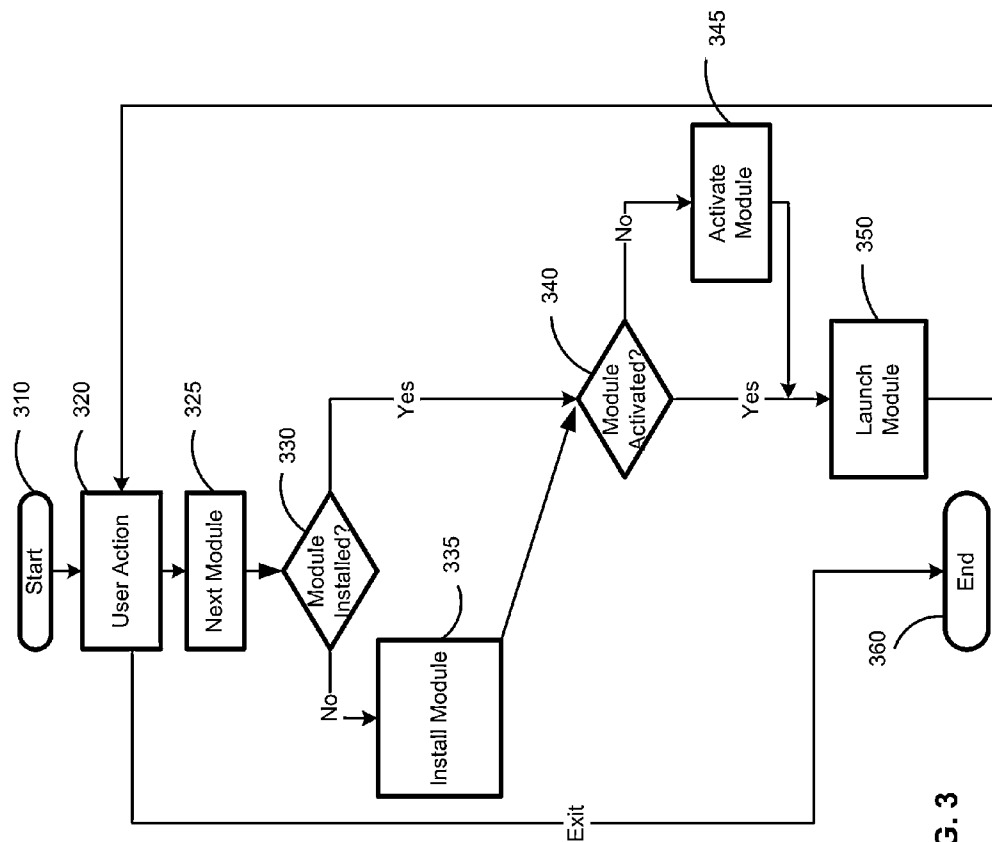
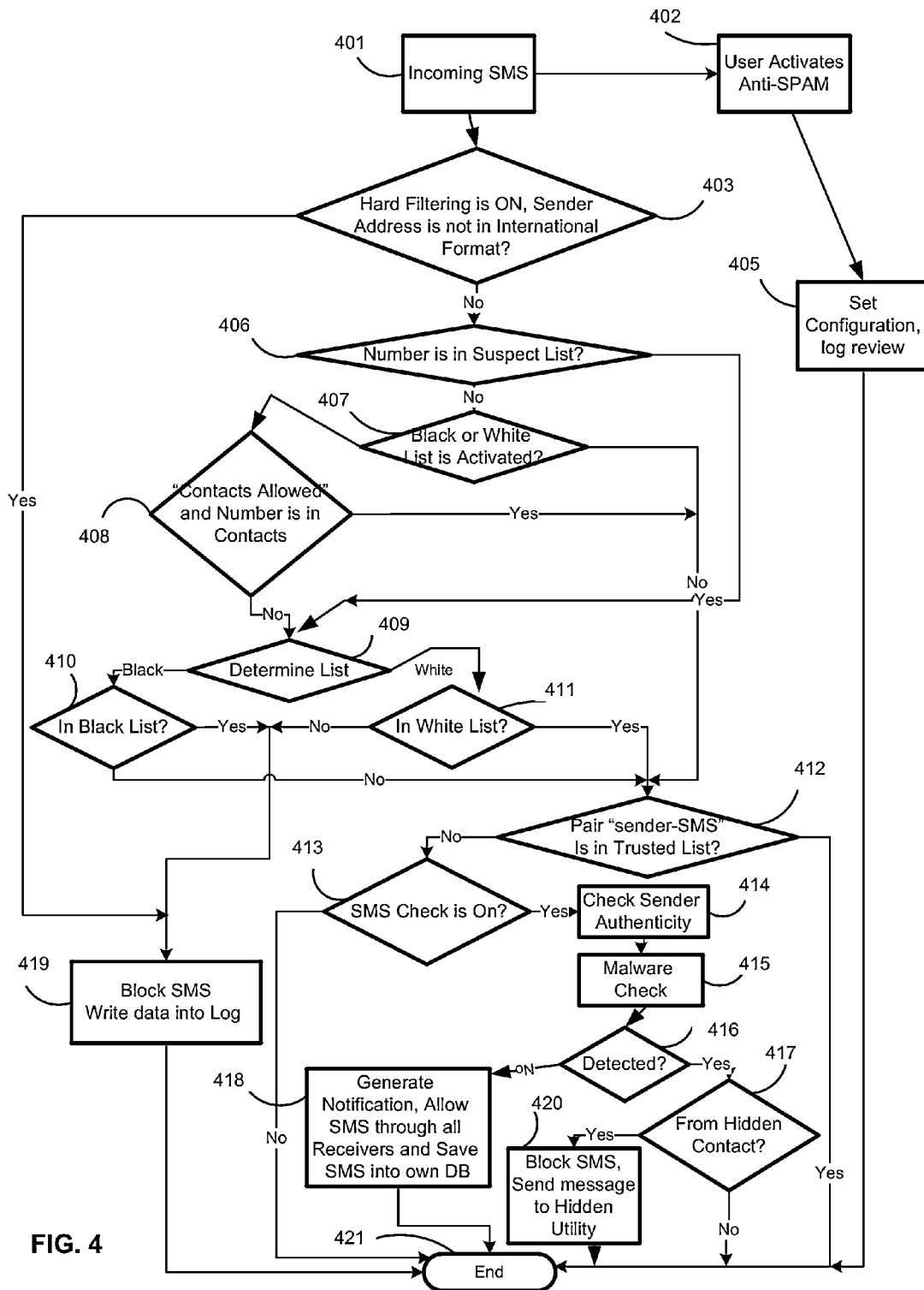


FIG. 3





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