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Holtmanns et al.

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(54) **METHODS, SYSTEM AND MOBILE DEVICE CAPABLE OF ENABLING CREDIT CARD PERSONALIZATION USING A WIRELESS NETWORK**

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Primary Examiner—Daniel A Hess

(74) *Attorney, Agent, or Firm*—Alston & Bird LLP

(75) **Inventors:** **Silke Holtmanns**, Vantaa (FI); **Pekka Laitinen**, Helsinki (FI)

(73) **Assignee:** **Nokia Corporation**, Espoo (FI)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 686 days.

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(51) **Int. Cl.**
H04K 1/00 (2006.01)

(52) **U.S. Cl.** **235/380; 380/247**

(58) **Field of Classification Search** **235/380; 380/247; 455/411; 713/168**

See application file for complete search history.

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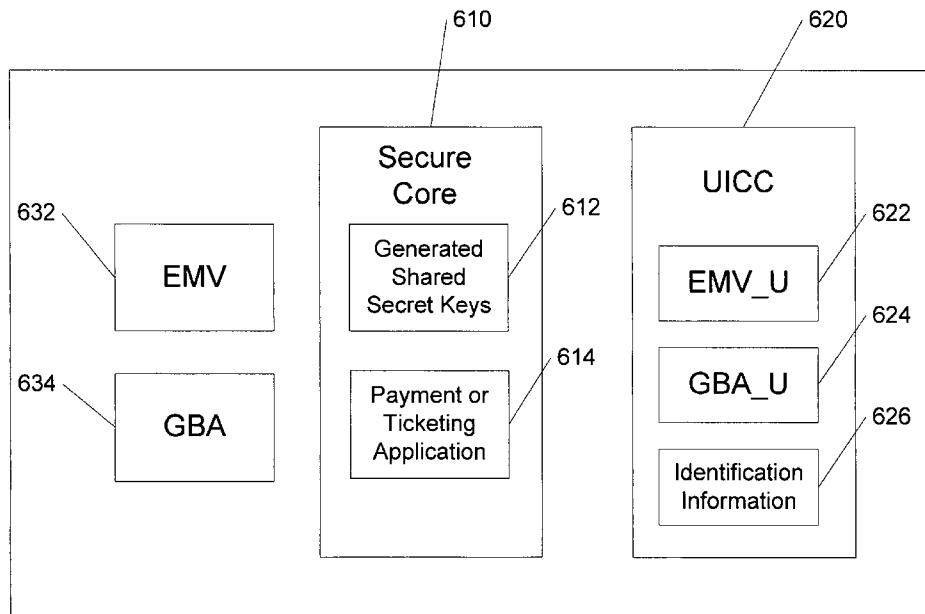
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(57) **ABSTRACT**

Methods of creating a secure channel over which credit card personalization data can be transmitted over the air (OTA) are provided. In particular, Generic Authentication Architecture (GAA) may be used to establish a secure communication channel between the user equipment (UE) and a personalization application server or bureau acting as a network application function (NAF) server. An user equipment, personalization application service (e.g., a NAF server), a system embodying a personalization application server and an user equipment, and a computer program product are also provided for creating a secure channel, such as via GAA, over which credit card personalization data can be transmitted OTA.

47 Claims, 14 Drawing Sheets



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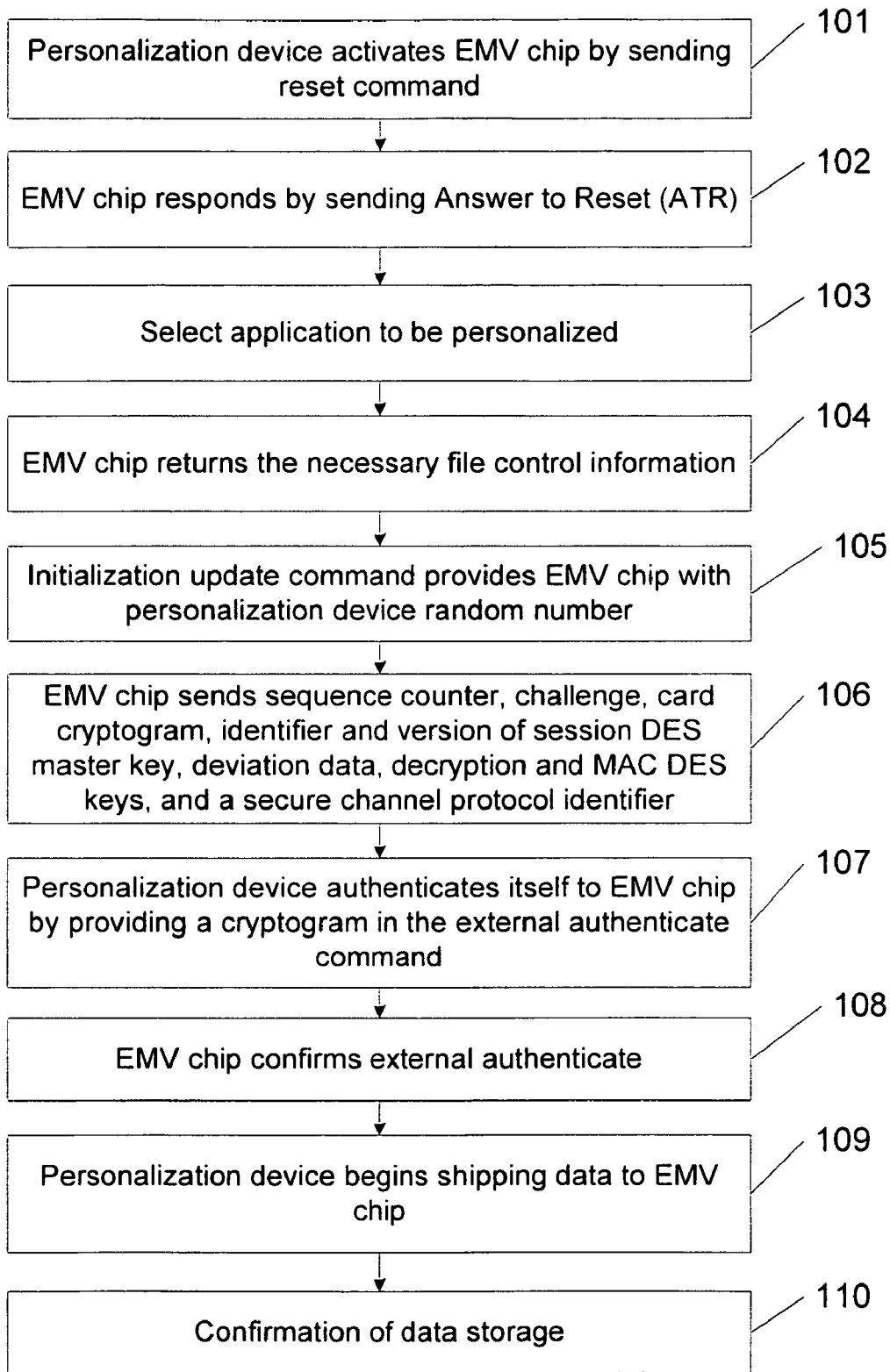


FIG. 1
(Prior Art)

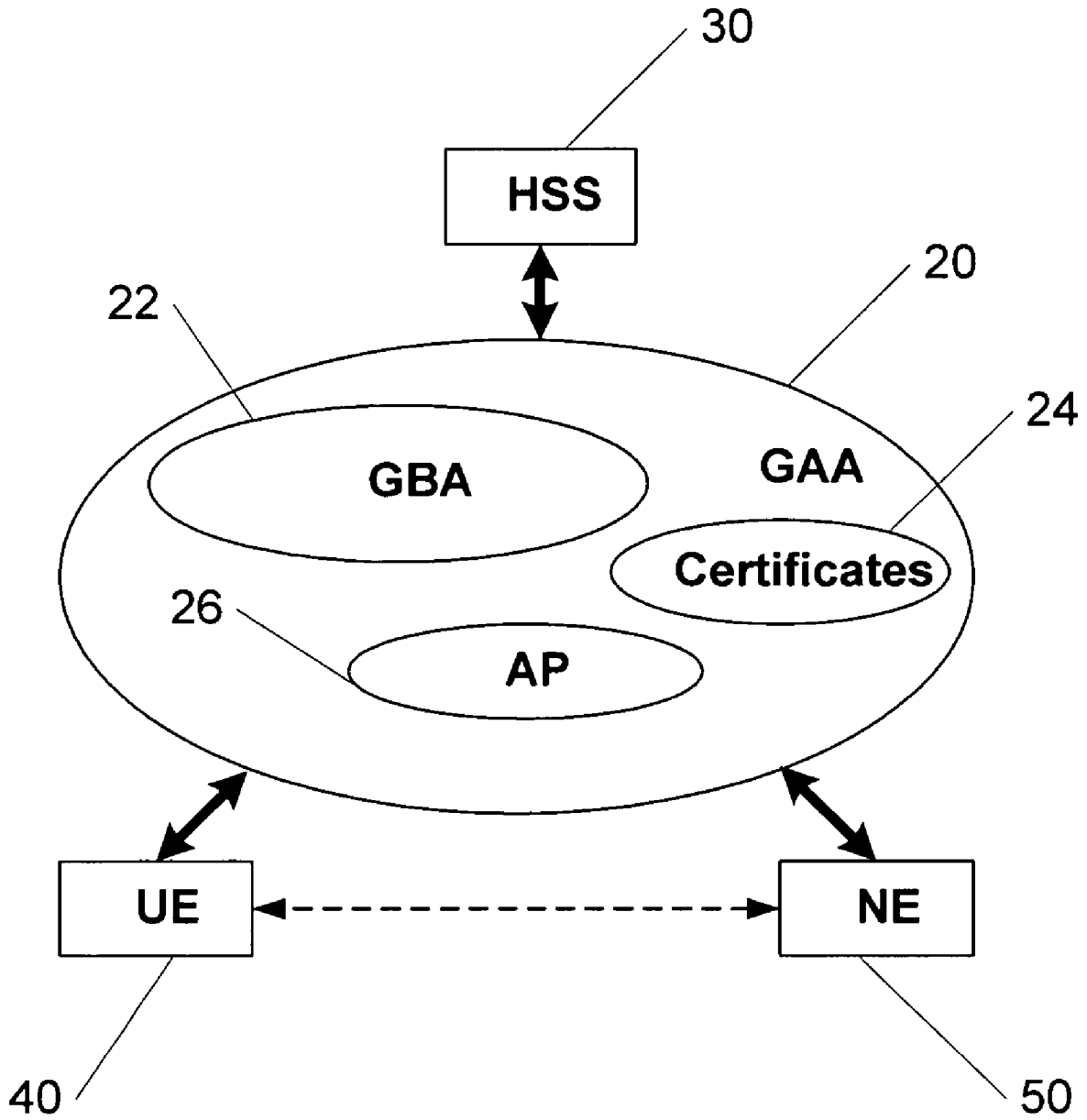


FIG. 2
(Prior Art)

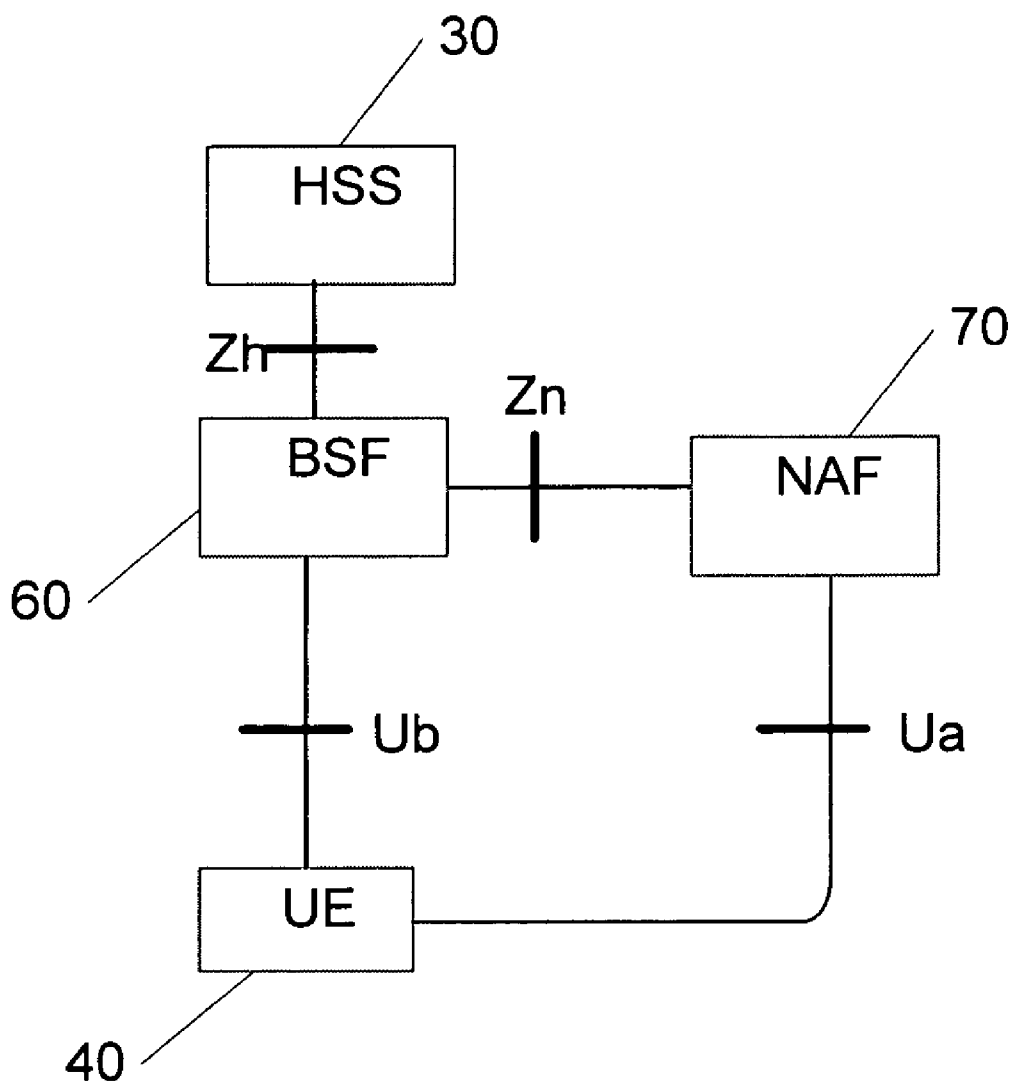


FIG. 3
(Prior Art)

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