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(54) **TAMPER-FREE AND FORGERY-PROOF  
PASSPORT AND METHODS FOR  
PROVIDING SAME**

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(57) **ABSTRACT**

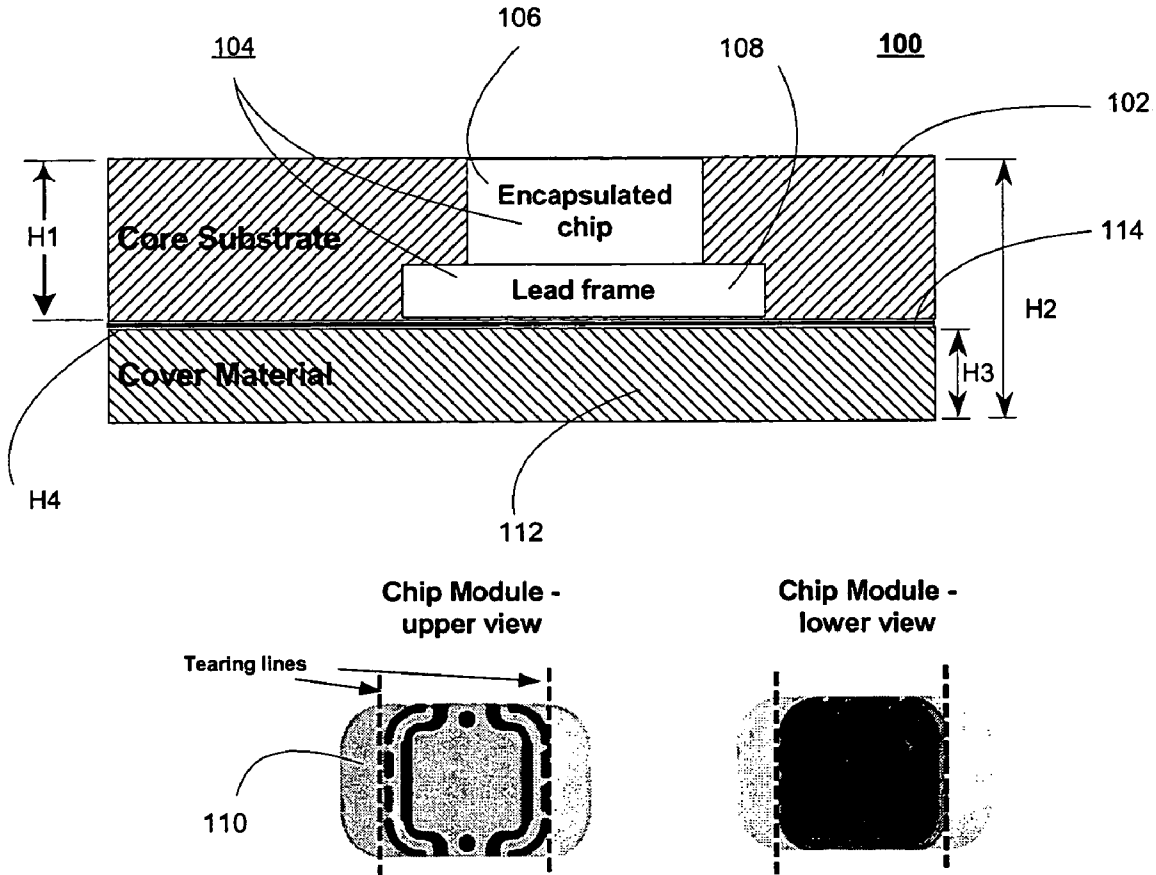
A smart passport comprising a smart inlay that includes a core substrate operative to store and exchange information contactlessly with an external reader, at least one physical security component coupled to the core substrate and operative to render the smart inlay and thereby the passport tamper-proof, and a logical security component incorporated in the core substrate and operative to render the smart inlay and thereby the passport forgery-proof. The physical security component is preferably selected from the group of at least one tear line and at least one patterned adhesive, both operative to cause irreversible damage to the information storage and communication capabilities of the passport in case of tampering.

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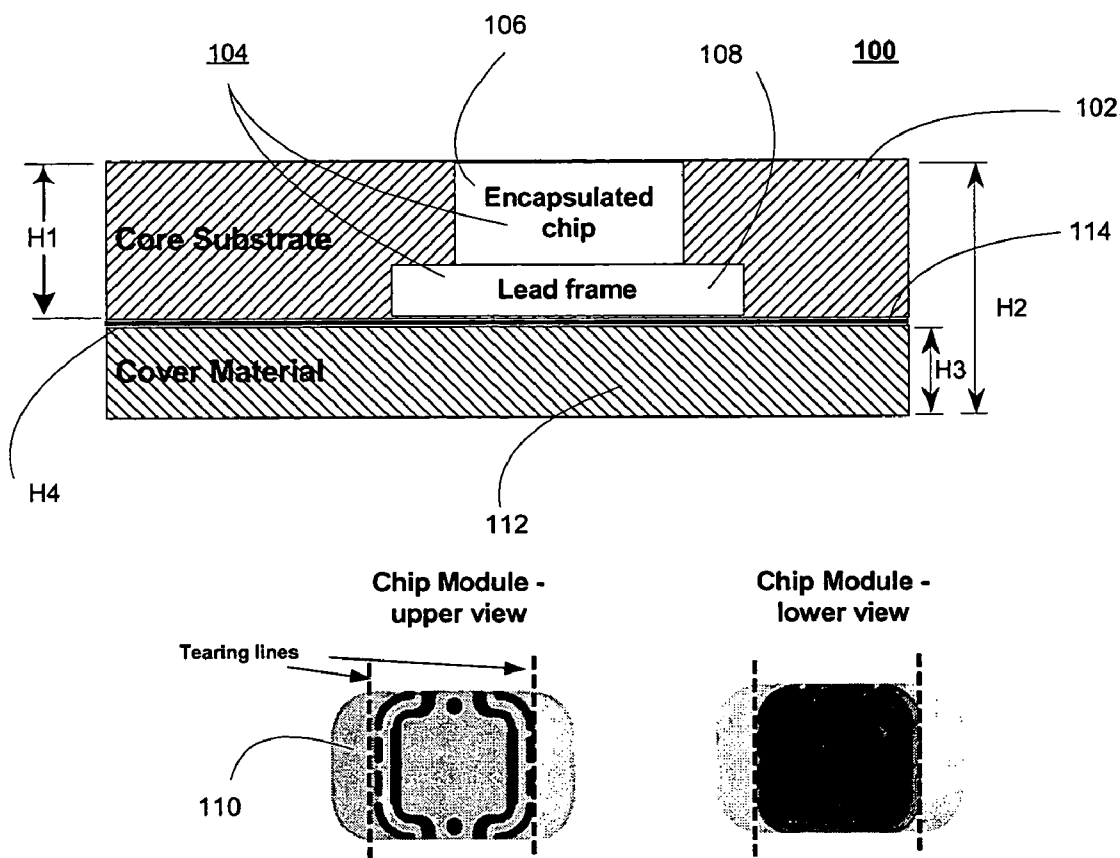


Fig. 1a

### Smart Passport Inlay

-  Smart Inlay
-  Vinyl Cover

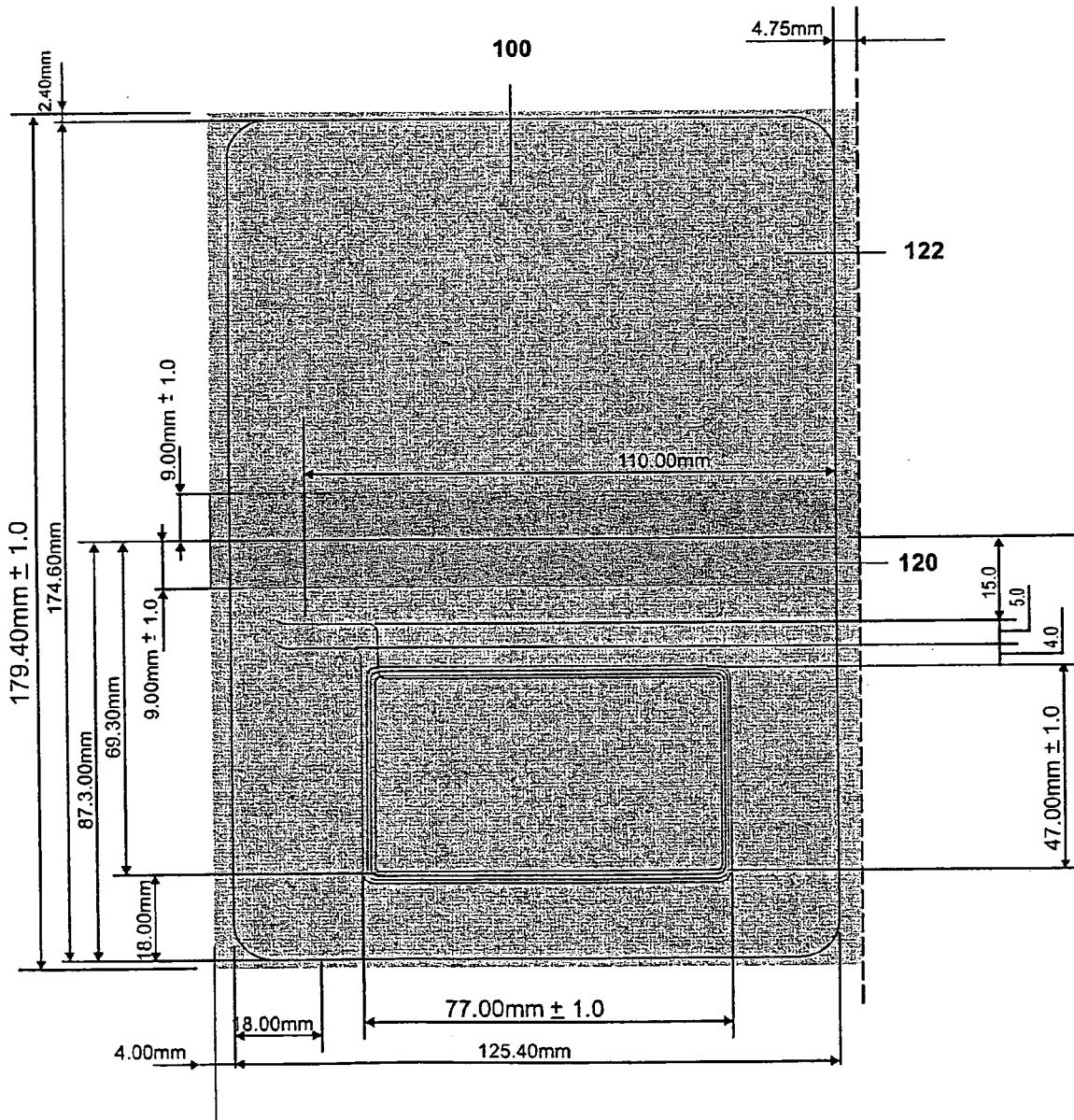


Fig. 1b

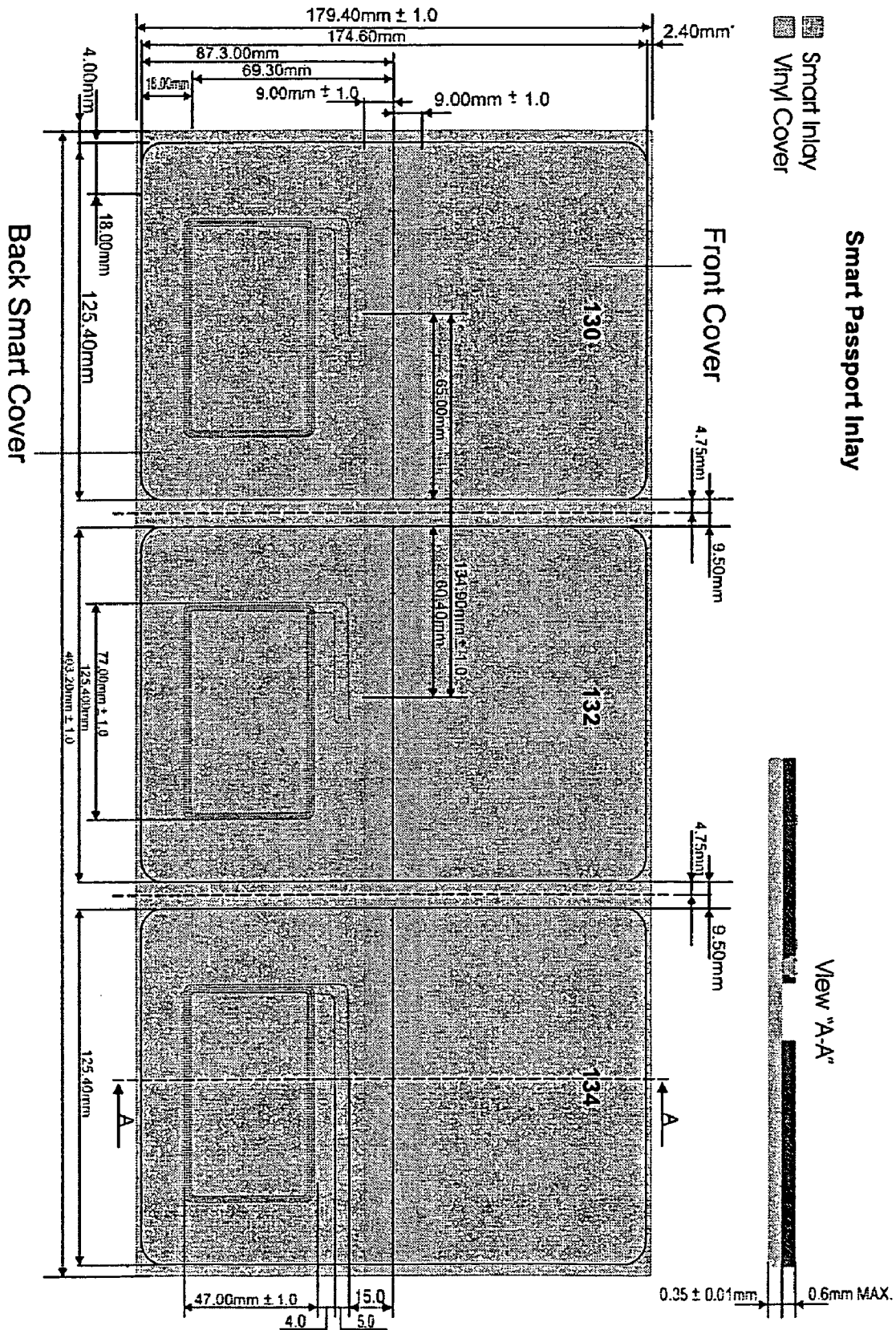


Fig. 1a

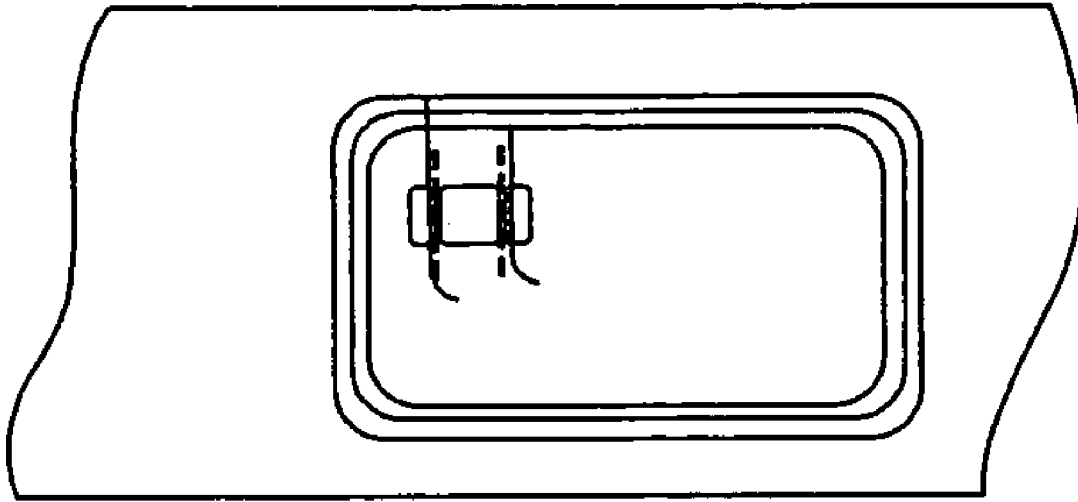


Fig. 1d

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