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## (54) Title: SECURITY IMPROVEMENTS FOR TICKETS

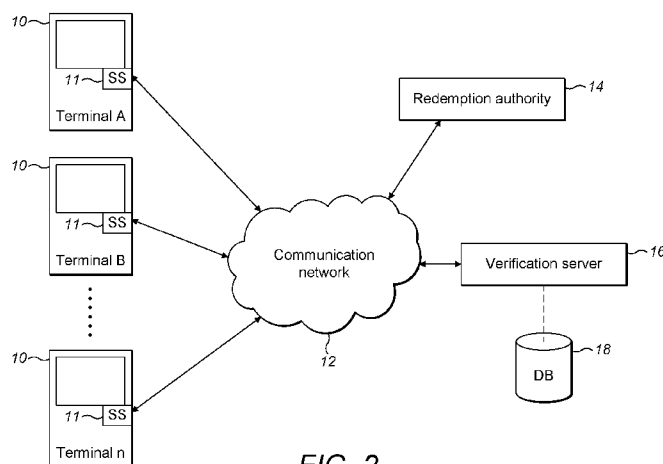


FIG. 2

(57) Abstract: The present invention relates to a method of validating the authenticity of a ticket comprising a unique ticket identifier generated at an issuing terminal in accordance with a confidential algorithm. The unique ticket identifier comprises ticket verification information combined with extraneous information. The method comprises the steps of: receiving one or more identification variable values expressed with respect to a first coordinate measurement domain, the one or more identification variable values enabling the location of the ticket verification information within the unique ticket identifier to be determined; using a coordinate transform function configured to map coordinate values from the first coordinate measurement domain to a second coordinate measurement domain to calculate one or more values of the one or more received identification variable values with respect to the second coordinate measurement domain; extracting the verification information from the unique ticket identifier on the basis of the calculated identification variable values; and verifying the authenticity of the ticket on the basis of the extracted verification information. The invention also relates to a terminal for issuing a ticket comprising a unique ticket identifier and a terminal for verifying the authenticity of a ticket comprising a unique ticket identifier in accordance with the afore described method.

