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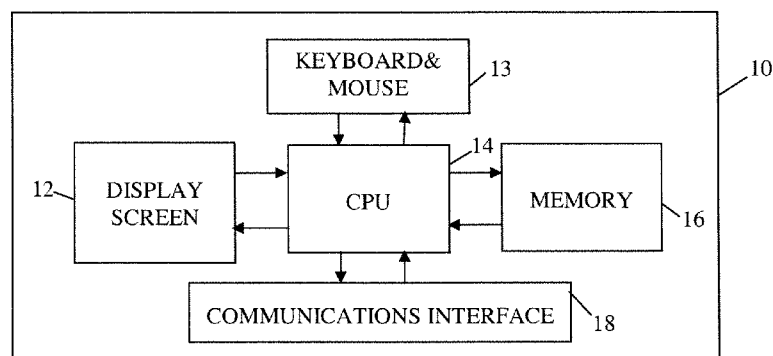


FIG. 1

(57) Abstract: A security authentication method comprises establishing a user account associated with a login credential, generating an encryption salt, generating graphical key images of a plurality of sequences of values each beginning at a random point, generating encrypted key values by encrypting each value in the plurality of sequences using the generated encryption salt, incorporating the graphical key images and encrypted key values into a displayable input form, receiving user input including a plurality of encrypted key values, generating decrypted key values by decrypting the encrypted key values of the user input using the encryption salt, and verifying that the decrypted key values match the login credential.