162162

ABSTRACT OF THE DISCLOSURE

SYSTEMS AND METHODS FOR AUTHORIZATION OF DATA STRINGS

Apparatus and methods for authorization or authentication of data strings. The apparatus comprise a memory containing a stored list of cyclic redundancy check values each corresponding to a data string representing an authorized identifier; and stored programming configured to compare a cyclic redundancy check value for a data string subject to authorization to the stored list of cyclic redundancy check values and determine validity of the cyclic redundancy check value for the data string subject to authorization. The data strings representing the authorized identifiers may comprise data representing alphanumeric character strings indicative of authorized users, and the data string subject to authorization may comprise a user-entered identification string of alphanumeric characters. The methods comprise creating a list of cyclic redundancy check values each corresponding to a data string representing an authorized identifier, comparing a cyclic redundancy check value for a data string subject to authorization to the list of cyclic redundancy check values, and determining if the cyclic redundancy check value for the data string subject to authorization is authorized.

Figure 6A

G00002