ABSTRACT

A reference A divides the stored electronic information C_A into more than one information element based on a dividing algorithm D (a_D) applied with a dividing argument a_D, selects information elements from the divided elements and generates a transmittal information block E based on a selecting algorithm S (a_S) applied with a selecting argument a_S, and sends the transmittal information block E accompanied with the arguments (a_D, a_S) to an inquirer B, and the inquirer divides the stored electronic information C_B into more than one information element and selects a part of the divided elements based on the same dividing and selecting algorithms D (a_D) , S (a_S) as used by the reference A applied with the arguments (a_D, a_S), replaces the selected elements with the information elements included in the transmittal information block E so as to form the third electronic information C_I, and compares it with the stored electronic information C_B to confirm identity between two of the electronic information C_A and C_B.

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