

INFORMATION PROCESSING APPARATUS AND METHOD, PROGRAM,
AND RECORDING MEDIUM

ABSTRACT OF THE DISCLOSURE

The present invention provides an information processing apparatus for communicating with another information processing apparatus by wire or wireless, the apparatus including: a random number generating section generating a random number; a first authentication data generating section generating first authentication data regarding the authentication of the other information processing apparatus on the basis of the generated random number; a authentication data transmitting section transmitting the first authentication data to the other information processing apparatus; an authentication data receiving section receiving second authentication data regarding the authentication of the other information processing apparatus; a decrypting section decrypting the second authentication data using at least one decryption method corresponding to at least one encryption method; and an authenticating section verifying, on the basis of the decrypted second authentication data and the generated random number, whether the other information processing apparatus is valid.

FIG. 4