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(54) **SIGNAL TRANSMISSION APPARATUS, SIGNAL RECEPTION APPARATUS, SIGNAL TRANSMISSION METHOD, AND SIGNAL RECEPTION METHOD IN AUTOENCODER-BASED ENCRYPTION KEY GENERATION SYSTEM**

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(57) **ABSTRACT**

The present invention relates to an autoencoder-based encryption key generation technique, and more particularly, to a signal transmission apparatus, a signal reception apparatus, a signal transmission method, and a signal reception method in an autoencoder-based encryption key generation system, wherein an encryption key with enhanced security may be generated on the basis of an autoencoder.

