ABSTRACT

Methods and systems for dynamically generating a verification value for a transaction and for utilizing such value to verify the authenticity of the payment service application. The dynamically created verification value may be generated on a payment device, such as an integrated circuit credit card or smart card, embedded into the payment data, and transmitted to a point of sale terminal. Alternatively, payment data is sent by a payment device to a point of sale terminal, which generates a verification value and embeds it into the payment data. The embedded verification value is used by a service provider to verify the authenticity of the transaction. The methods and systems may be used in a contactless (wireless) environment or a non-wireless environment.

FIG.1