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(57) Abstract :
The present invention discloses a system for secure data transmission over a network based on code generation and working method thereof. In the present invention, a first means for establishing the authenticity among the entities and ensuring the safety of data transmissions over potentially compromised data communications networks by using a secret code shared between the entities, pseudo-randomly generated data values, and an encryption technique. Further, the entities connected with the computer system sends data to the first mean, which links to the transmission media via a modem or other mechanism using a network interface card, which may include an Ethernet connection, an interface device may additionally interface to a packet switching network, such as the Internet.
Accompanied Drawing [FIGS. 1-2]

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