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(57) Abstract :
The present disclosure relates generally to field of secure communication and authentication systems. More specifically the present invention relates to a system for transmission of verification requests in identification devices. The system (100) includes a secure communication channel (102), a source device (104), an identification device (106), a memory (108), a processor (112) and a log unit (110). The communication channel (102) is established between source device (104) and identification device (106) using a Diffie-Hellman key exchange protocol. The log unit (110) is configured for logging and auditing verification request transmissions and responses to maintain record of verification activities. Further the present invention relates to a method for transmission of verification requests in identification devices. Advantageously, the present invention relates to a secure and efficient transmission of verification requests to ensure reliable authentication and verification processes, particularly in domains such as financial transactions, access control systems, and secure communication protocols.

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