Title (en)
MODULE FOR SECURE TRANSMISSION OF DATA

Title (de)
MODUL ZUR SICHEREN ÜBERTRAGUNG VON DATEN

Title (fr)
MODULE POUR LA TRANSMISSION SECURISEE DE DONNEES

Publication
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Application
EP 01988996 A 20011029

Priority
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• EP 0112480 W 20011029

Abstract (en)
[origin: WO0235763A2] The invention relates to a module for secure transmission of data in a computer network. The module has a bi-directional interface with a computer connected to the network enabling the module to exchange packets, commands and messages with the computer via said interface. The module also comprises an interface to a smart card containing an identification key. A filter logic circuit is arranged in the module. Said circuit filters out authorization messages from the data packets which are received by the computer via the network and transmitted to the module via the bi-directional interface. The module further comprises a processor having a memory for controlling the module and which calculates at least one cryptographic key by means of the authorization messages and the identification key contained in the smart card, in addition to a decryption logic circuit which can separate the header from the contents of the data packets, decode the contents of the data packets by means of the cryptographic key which is calculated by the processor and is associated with the decryption method carried out in the hardware of the logic circuit, and can reincorporate the header into the decrypted content of the data packets, whereby the data packets are redirected to the computer via the bi-directional interface.

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