ANNOTATION

Qualification work is devoted to methods of information security in IP-telephony systems. In this qualification work, the types of threats in IP telephony were clarified and methods of combating them were investigated; determined the degree of protection of the IP-telephony network depending on the conditions of use, existing and promising methods of information security in IP-telephony systems were established; scientific and technical developments and diagrams for finding and theoretically substantiating the dynamics of patenting of well-known developers and engineering measures and means of protection and methods of information security of IP systems - telephony, as well as patenting of these methods. The rapid development of network technologies has led to the emergence of additional services and offered many services. One of the most interesting is digital communication technology - IP telephony, which is widespread in the corporate and public sector, allows you to use a public or departmental network to negotiate using the Internet protocol, as well as data and video transmission in real time. Keywords: network, packet switching, protocol, IP-telephony, VOIP-telephony, streaming information, data transmission, steganography, container, hidden channel, hidden information transmission, steganoanalysis, cryptography, cryptoalgorithm, encryption key, non-revealing ciphers, information transmission protocols , method of information protection patent research. The qualification work contains 68 pages, 12 figures and 7 tables. 62 scientific and technical publications were used in the work.