Abstract

Digital watermarking is the key technology of digital copyright protection. An efficient digital watermarking solution must tackle the problems of copyright protection and trace of pirate copy. Digital water marking is a promising technology to embed information as unperceivable signals in digital contents. It plays a very important role in E-commerce. Buyer-seller watermarking
protocols based on Discrete Wavelet Transform (DWT) integrate multimedia watermarking and fingerprinting with cryptography, for copyright protection, piracy tracing, and privacy protection. It uses the public key encryption schemes. In this paper we propose a Practical Buyer Seller watermarking protocol based on Discrete Wavelet Transform (DWT) which is secure and flexible and gives more security from previous watermarking protocols to both buyer and seller. In this we use Public Key Infrastructure (PKI), arbitrator and watermarking certificate authority (WCA) for better security. The protocol has better security property and higher efficiency.

Reference


Index Terms

Computer Science
Security

Key words
public key infrastructure
copyright protection

Digital watermarking