Title (en)

UTILIZING DATA REDUCTION IN STEGANOGRAPHIC AND CRYPTOGRAPHIC SYSTEMS

Title (de)

VERWENDUNG VON DATENREDUKTION IN STEGANOGRAPHISCHEN UND KRYPTOGRAFISCHEN SYSTEMEN

Title (fr)

UTILISATION DE LA REDUCTION DE DONNEES DANS DES SYSTEMES STEGANOGRAPHIQUES ET CRYPTOGRAPHIQUES

Publication

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Application

EP 00919398 A 20000314

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Abstract (en)

[origin: WO0057643A1] The present invention is a method for protecting a data signal where the method comprises the following steps: applying a data reduction technique (200) to the signal to produce a reduced signal, subtracting (60) the reduced data signal from the original signal to produce a remainder signal (39), embedding (300) a first watermark into the reduced data signal to produce a watermarked redued data signal, and adding (50) the watermarked reduced signal to the remainder signal to produce an output signal (90). A second watermark (301) may be embedded into the remainder signal (39) before the final addition (50) step. Cryptographic techniques may be employed to encrypt the remainder signal and/or the reduced signal prior to the addition step (50).

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