

Title (en)
METHODS OF DIGITAL STEGANOGRAPHY FOR MULTIMEDIA DATA

Title (de)
VERFAHREN VON DIGITALER STEGANOGRAPHIE FÜR MULTIMEDIADATEN

Title (fr)
PROCEDES DE STEGANOGRAPHIE NUMERIQUE DESTINES A DES DONNEES MULTIMEDIA

Publication
EP 1125189 A4 20011128 (EN)

Application
EP 99952884 A 19991026

Priority
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Abstract (en)
[origin: WO0025203A1] A lossless steganographic encoding method for secure transmission or storage of multimedia data. Primary data, such as text, image, video, audio or other digital data, is utilised in a steganographic process to encode secondary data, such as text, image, video, audio or other digital data. The primary data includes a plurality of first data elements and the secondary data includes a plurality of second data elements. For each second data element an operation is performed with a first data element so as to generate a key element as a result of the operation. The key elements may then be securely transmitted and/or stored. In preferred embodiments of the method, the primary data may be rearranged according to a predefined or random manner, or it may be resized so as to match the size of the secondary data. A complementary decoding method is disclosed, and a method of generating a pseudo-random number sequence, which may be used in the steganographic and decoding methods, is also disclosed.

IPC 1-7
G06F 7/58; **H04L 9/20**

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
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• [X] EP 0035048 A1 19810909 - IBM [US]
• [A] JOHNSON N F ET AL: "EXPLORING STEGANOGRAPHY: SEEING THE UNSEEN", COMPUTER, IEEE COMPUTER SOCIETY, LONG BEACH., CA, US, US, vol. 31, no. 2, 1 February 1998 (1998-02-01), pages 26 - 34, XP000737935, ISSN: 0018-9162
• See references of WO 0025203A1

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