

Title (en)

METHODS AND APPARATUS FOR EMBEDDING WATERMARKS

Title (de)

VERFAHREN UND VORRICHTUNGEN ZUR EINBETTUNG VON WASSERZEICHEN

Title (fr)

PROCEDES ET DISPOSITIFS PERMETTANT L'INCORPORATION DE FILIGRANES

Publication

**EP 1639518 B1 20181226 (EN)**

Application

**EP 04776572 A 20040614**

Priority

- US 2004018953 W 20040614
- US 47862603 P 20030613
- US 57125804 P 20040514

Abstract (en)

[origin: WO2005002200A2] Methods and apparatus for embedding a watermark are disclosed. In an example method, one or more frames associated with a compressed digital data stream (240) is identified. Each of the one or more frames to identify a plurality of transform coefficient sets (320) is unpacked. The plurality of transform coefficient sets (320) is modified to embed the watermark (230).

IPC 8 full level

**G10L 19/00** (2013.01); **G06F 17/14** (2006.01); **G06K 9/00** (2006.01); **G10L 19/018** (2013.01); **H04H 20/31** (2008.01); **H04H 60/31** (2008.01); **H04K 1/00** (2006.01); **H04K 1/02** (2006.01); **G10L 19/02** (2013.01)

IPC 8 main group level

**G06T** (2006.01)

CPC (source: EP)

**G10L 19/018** (2013.01); **H04H 20/31** (2013.01); **H04K 1/00** (2013.01); **G10L 19/0212** (2013.01); **H04H 2201/50** (2013.01)

Citation (examination)

- WO 9721293 A1 19970612 - SOLANA TECHNOLOGY DEV CORP [US]
- WO 03017254 A1 20030227 - RADIOSCAPE LTD [GB], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005002200 A2 20050106; WO 2005002200 A3 20050609**; AU 2004258470 A1 20050127; AU 2004258470 A2 20050127; AU 2004258470 B2 20091210; AU 2010200873 A1 20100401; AU 2010200873 B2 20120906; CA 2529310 A1 20050127; CA 2529310 C 20121218; CN 101950561 A 20110119; CN 101950561 B 20121219; CN 1823482 A 20060823; CN 1823482 B 20101201; EP 1639518 A2 20060329; EP 1639518 A4 20110928; EP 1639518 B1 20181226; HK 1090476 A1 20061222; HK 1150090 A1 20111028; TW 200517949 A 20050601; TW I342515 B 20110521; WO 2005008582 A2 20050127; WO 2005008582 A3 20051215; ZA 200510074 B 20061227

DOCDB simple family (application)

**US 2004018645 W 20040610**; AU 2004258470 A 20040614; AU 2010200873 A 20100309; CA 2529310 A 20040614; CN 200480020200 A 20040614; CN 201010501205 A 20040614; EP 04776572 A 20040614; HK 06110940 A 20061003; HK 11103846 A 20110418; TW 93117000 A 20040611; US 2004018953 W 20040614; ZA 200510074 A 20051212