

Title (en)

DEVICE FOR MARKING AND RESTORING MULTIMEDIA SIGNALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR WASSERZEICHENDETEKTION UND -EINBETTUNG

Title (fr)

DISPOSITIF POUR LE MARQUAGE ET LA RESTITUTION DE SIGNAUX MULTIMÉDIA

Publication

EP 1557043 A1 20050727 (FR)

Application

EP 03786001 A 20031028

Priority

- FR 0303208 W 20031028
- FR 0213605 A 20021030

Abstract (en)

[origin: FR2846827A1] The device has a formatting module to calculate marking information based on a calculated response of a transformed signal and code words associated with a message. A modulator (18) modulates amplitude of a carrier coefficient by a corresponding quantity related to energy weight of the message and carriers to provide a marking coefficient. A summer (20) adds the marking coefficient to the coefficient of the transformed signal. The formatting module calculates the response of the transformed signal at demodulation of carriers defined by protection keys of the message.

IPC 1-7

H04N 7/26

IPC 8 full level

H04N 1/32 (2006.01); **H04N 7/26** (2006.01)

CPC (source: EP US)

H04N 1/32154 (2013.01 - EP US); **H04N 1/32187** (2013.01 - EP US); **H04N 1/32352** (2013.01 - EP US); **H04N 19/467** (2014.11 - EP US); **H04N 2201/3233** (2013.01 - EP US); **H04N 2201/327** (2013.01 - EP US); **H04N 2201/3281** (2013.01 - EP US)

Citation (search report)

See references of WO 2004043072A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)

FR 2846827 A1 20040507; **FR 2846827 B1 20050225**; AU 2003295009 A1 20040607; CA 2503466 A1 20040521; EP 1557043 A1 20050727; JP 2006505207 A 20060209; US 2006159262 A1 20060720; WO 2004043072 A1 20040521

DOCDB simple family (application)

FR 0213605 A 20021030; AU 2003295009 A 20031028; CA 2503466 A 20031028; EP 03786001 A 20031028; FR 0303208 W 20031028; JP 2004549262 A 20031028; US 53280505 A 20051209