

Title (en)
MULTI-RESOLUTION SWITCHED AUDIO ENCODING/DECODING SCHEME

Title (de)
MEHRAUFLÖSUNGSGESCHALTETES AUDIOKODIERUNGS-/DEKODIERUNGSSCHEMA

Title (fr)
SCHÉMA CONNECTABLE DE CODAGE/DÉCODAGE AUDIO À RÉOLUTION VARIABLE

Publication
EP 2345030 A2 20110720 (EN)

Application
EP 09736835 A 20091007

Priority

- EP 2009007205 W 20091007
- US 10382508 P 20081008
- EP 08017663 A 20081008
- EP 09002271 A 20090218
- EP 09736835 A 20091007

Abstract (en)
[origin: WO2010040522A2] An audio encoder for encoding an audio signal comprises a first coding branch (400), the first coding branch comprising a first converter (410) for converting a signal from a time domain into a frequency domain. Furthermore, the audio encoder comprises a second coding branch (500) comprising a second time/frequency converter (523). Additionally, a signal analyzer (300/525) for analyzing the audio signal is provided. The signal analyzer, on the hand, determines whether an audio portion is effective in the encoder output signal as a first encoded signal from the first encoding branch or as a second encoded signal from a second encoding branch. On the other hand, the signal analyzer determines a time/frequency resolution to be applied by the converters (410, 523) when generating the encoded signals. An output interface includes, in addition to the first encoded signal and the second encoded signal, a resolution information identifying the resolution used by the first time/frequency converter and used by the second time/frequency converter.

IPC 8 full level
G10L 19/14 (2006.01); **G10L 19/24** (2013.01); **G10L 19/022** (2013.01)

CPC (source: BR EP KR)
G10L 19/02 (2013.01 - EP); **G10L 19/04** (2013.01 - EP); **G10L 19/18** (2013.01 - EP KR); **G10L 19/24** (2013.01 - BR); **G10L 19/022** (2013.01 - BR)

Citation (search report)
See references of WO 2010040522A2

Citation (examination)

- MAX NEUENDORF ET AL: "Detailed Technical Description of Reference Model 0 of the CfP on Unified Speech and Audio Coding (USAC)", 86. MPEG MEETING; 13-10-2008 - 17-10-2008; BUSAN; (MOTION PICTURE EXPERT GROUP OR ISO/IEC JTC1/SC29/WG11),, no. M15867, 9 October 2008 (2008-10-09), XP030044464
- MARKUS MULTRUS ET AL: "Technical Description of the Fraunhofer IIS Submission for the CfP on USAC", 85. MPEG MEETING; 21-7-2008 - 25-7-2008; HANNOVER; (MOTION PICTURE EXPERT GROUP OR ISO/IEC JTC1/SC29/WG11),, no. M15621, 17 July 2008 (2008-07-17), XP030044218
- EUROPEAN PATENT OFFICE: "EPO - EPO and IEC agree to cooperate on standards and patents", 17 April 2013 (2013-04-17), XP055382448, Retrieved from the Internet <URL:http://www.epo.org/news-issues/news/2013/20130417.html> [retrieved on 20170619]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010040522 A2 20100415; WO 2010040522 A3 20100902; AR 076060 A1 20110518; AU 2009301358 A1 20100415; AU 2009301358 A8 20110526; BR PI0914056 A2 20151103; BR PI0914056 B1 20190702; CA 2739736 A1 20100415; CA 2739736 C 20151201; CN 102177426 A 20110907; CN 102177426 B 20141105; CO 6362072 A2 20120120; EP 2345030 A2 20110720; EP 3640941 A1 20200422; JP 2012505423 A 20120301; JP 5555707 B2 20140723; KR 101403115 B1 20140627; KR 20110081291 A 20110713; KR 20130069833 A 20130626; KR 20130133917 A 20131209; MX 2011003824 A 20110502; MY 154633 A 20150715; RU 2011117699 A 20121110; RU 2520402 C2 20140627; TW 201142827 A 20111201; TW 201344679 A 20131101; TW I419148 B 20131211; TW I520128 B 20160201; ZA 201102537 B 20111228

DOCDB simple family (application)
EP 2009007205 W 20091007; AR P090103876 A 20091008; AU 2009301358 A 20091007; BR PI0914056 A 20091007; CA 2739736 A 20091007; CN 200980140055 A 20091007; CO 11055712 A 20110506; EP 09736835 A 20091007; EP 19213835 A 20091007; JP 2011530415 A 20091007; KR 20117010644 A 20091007; KR 20137011185 A 20091007; KR 20137031257 A 20091007; MX 2011003824 A 20091007; MY PI20111560 A 20091007; RU 2011117699 A 20091007; TW 102120721 A 20091007; TW 98133982 A 20091007; ZA 201102537 A 20110406