

Title (en)
REDUNDANT CODING UNIT FOR AUDIO CODEC

Title (de)
REDUNDANTE KODIEREINHEIT FÜR AUDIO-CODEC

Title (fr)
UNITÉ DE CODAGE REDONDANT POUR CODEC AUDIO

Publication
EP 2710589 A1 20140326 (EN)

Application
EP 11723805 A 20110520

Priority
US 2011037336 W 20110520

Abstract (en)
[origin: WO2012161675A1] A method of generating multiple payloads encoded at different coding rates for inclusion in a data packet transmitted across a packet data network includes extracting from a source model representing a spectral envelope of the input signal and a residual signal by filtering input signal with filter coefficients derived from the source model to remove effects of pitch from the first frequency band signal. The source model and the residual model are stored. When payload is to be encoded at a lower coding rate, the residual model is scaled by a scaling factor and quantized. The scaled residual model and the source model may also be entropy coded to generate a redundant bitstream. The redundant bitstream is used to generate payloads for packets transmitted over a network.

IPC 8 full level
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CPC (source: EP)
G10L 19/005 (2013.01); **G10L 19/0204** (2013.01); **G10L 19/087** (2013.01)

Citation (search report)
See references of WO 2012161675A1

Citation (examination)

- SJOBERG M WESTERLUND ERICSSON A LAKANIEMI S WENGER NOKIA J: "RTP Payload Format for the Extended Adaptive Multi-Rate Wideband (AMR-WB+) Audio Codec; rfc4352.txt", RTP PAYLOAD FORMAT FOR THE EXTENDED ADAPTIVE MULTI-RATE WIDEBAND (AMR-WB+) AUDIO CODEC; RFC4352.TXT, INTERNET ENGINEERING TASK FORCE, IETF; STANDARD, INTERNET SOCIETY (ISOC) 4, RUE DES FALAISES CH- 1205 GENEVA, SWITZERLAND, 1 January 2006 (2006-01-01), XP015044785
- "3rd Generation Partnership Project; Technical Specification Group Service and System Aspects; Audio codec processing functions; Extended Adaptive Multi-Rate - Wideband (AMR-WB+) codec; Transcoding functions (Release 6)", 7 June 2005 (2005-06-07), XP050909272, Retrieved from the Internet <URL:http://www.3gpp.org/ftp/Specs/2014-12/Rel-6/26_series/> [retrieved on 20050607]
- MAKINEN J ET AL: "AMR-WB+: a New Audio Coding Standard for 3rd Generation Mobile Audio Services", 2005 IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING - 18-23 MARCH 2005 - PHILADELPHIA, PA, USA, IEEE, PISCATAWAY, NJ, vol. 2, 18 March 2005 (2005-03-18), pages 1109 - 1112, XP010790838, ISBN: 978-0-7803-8874-1, DOI: 10.1109/ICASSP.2005.1415603

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