

Title (en)  
METHOD AND APPARATUS FOR SWITCHING SPEECH OR AUDIO SIGNALS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR SCHALTUNG VON SPRACH- ODER AUDIOSIGNALEN

Title (fr)  
PROCÉDÉ ET APPAREIL DE COMMUTATION DE SIGNAUX VOCAUX OU AUDIO

Publication  
**EP 3249648 A1 20171129 (EN)**

Application  
**EP 17151713 A 20110428**

Priority  
• CN 201010163406 A 20100428  
• EP 11774406 A 20110428  
• CN 2011073479 W 20110428

Abstract (en)  
A method and an apparatus for switching speech or audio signals are disclosed. The method for switching speech or audio signals includes: when a switching of a speech or audio occurs, weighting a first high frequency band signal of a current frame of speech or audio signal and a second high frequency band signal of the previous M frame of speech or audio signals to obtain a processed first high frequency band signal (101); and synthesizing the processed first high frequency band signal and a first low frequency band signal of the current frame of speech or audio signal into a wide frequency band signal (102).

IPC 8 full level  
**G10L 19/00** (2013.01); **G10L 21/038** (2013.01); **G10L 19/04** (2013.01); **G10L 19/12** (2013.01); **G10L 19/24** (2013.01)

CPC (source: BR EP KR)  
**G10L 19/00** (2013.01 - KR); **G10L 19/04** (2013.01 - KR); **G10L 19/12** (2013.01 - BR KR); **G10L 19/24** (2013.01 - EP); **G10L 21/038** (2013.01 - EP)

Citation (search report)  
• [A] WO 2009056027 A1 20090507 - HUAWEI TECH CO LTD [CN], et al & US 2010228557 A1 20100909 - CHEN ZHE [CN], et al  
• [A] BERND GEISER ET AL: "Artificial Bandwidth Extension without Side Information for ITU-T G.729.1", INTERSPEECH 2007, 27 August 2007 (2007-08-27), pages 2493 - 2496, XP055001120, Retrieved from the Internet <URL:http://www.ind.rwth-aachen.de/fileadmin/publications/geiser07b.pdf> [retrieved on 20110621]  
• [A] "G.729-based embedded variable bit-rate coder: An 8-32 kbit/s scalable wideband coder bitstream interoperable with G.729; G.729.1 (05/06)", ITU-T STANDARD, INTERNATIONAL TELECOMMUNICATION UNION, GENEVA ; CH, no. G.729.1 (05/06), 29 May 2006 (2006-05-29), pages 1 - 100, XP017466254

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2485029 A1 20120808; EP 2485029 A4 20130102; EP 2485029 B1 20170614**; AU 2011247719 A1 20120607; AU 2011247719 B2 20130711; BR 112012013306 A2 20160301; BR 112012013306 B1 20201110; BR 112012013306 B8 20210217; CN 101964189 A 20110202; CN 101964189 B 20120808; EP 3249648 A1 20171129; EP 3249648 B1 20190109; ES 2635212 T3 20171002; ES 2718947 T3 20190705; JP 2013512468 A 20130411; JP 2015045888 A 20150312; JP 2017033015 A 20170209; JP 5667202 B2 20150212; JP 6027081 B2 20161116; JP 6410777 B2 20181024; KR 101377547 B1 20140325; KR 20120074303 A 20120705; WO 2011134415 A1 20111103

DOCDB simple family (application)  
**EP 11774406 A 20110428**; AU 2011247719 A 20110428; BR 112012013306 A 20110428; CN 201010163406 A 20100428; CN 2011073479 W 20110428; EP 17151713 A 20110428; ES 11774406 T 20110428; ES 17151713 T 20110428; JP 2012541316 A 20110428; JP 2014250689 A 20141211; JP 2016201593 A 20161013; KR 20127012328 A 20110428