

Title (en)
IMPROVED METHOD FOR ENCODING/DECODING A STEREO DIGITAL STREAM AND ASSOCIATED ENCODING/DECODING DEVICE

Title (de)
VERBESSERTES VERFAHREN ZUR CODIERUNG/DECODIERUNG EINES DIGITALEN STEREOSTROMS UND ZUGEHÖRIGE CODIER-/
DECODIERVORRICHTUNG

Title (fr)
PROCEDE DE CODAGE/DECODAGE D'UN FLUX NUMERIQUE STEREO AMELIORE ET DISPOSITIF DE CODAGE/DECODAGE ASSOCIE

Publication
EP 2517199 A2 20121031 (FR)

Application
EP 10801652 A 20101210

Priority
• FR 0959547 A 20091223
• FR 2010052671 W 20101210

Abstract (en)
[origin: WO2011086253A2] The invention relates substantially to a method for encoding and decoding a digital audio signal consisting of an original right-hand signal thereof (SDO) and an original left-hand signal thereof (SGO), characterized in that said method comprises the following steps: combining (3) the original right-hand signal thereof (SDO) and the original left-hand signal thereof (SGO) to obtain a single combined signal (SC), encoding the combined signal (SC) by means of a standard encoder (5) to obtain a compressed combined signal (SCC), decoding the compressed combined signal (SCC) by means of a standard decoder (8) to obtain a decompressed combined signal (SCD) and, after decoding, generating a reconstructed right-hand signal thereof (SDR) and a reconstructed left-hand signal thereof (SGR) from the decompressed combined signal (SCD), which are decorrelated from each other. The invention further relates to a treble-generating module (35), which enables the high-frequency component (SHF) of the right-hand (SDR) or left-hand (SGR) signals thereof to be recreated, which signals had been deleted as a result of compression.

IPC 8 full level
G10L 19/00 (2006.01); **G10L 19/008** (2013.01); **H04S 1/00** (2006.01); **H04S 5/00** (2006.01)

CPC (source: EP US)
G10L 19/008 (2013.01 - EP US); **H04S 1/007** (2013.01 - EP US); **H04S 5/00** (2013.01 - EP US); **H04S 2420/03** (2013.01 - EP US);
H04S 2420/07 (2013.01 - EP US)

Citation (search report)
See references of WO 2011086253A2

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)
FR 2954570 A1 20110624; **FR 2954570 B1 20120608**; EP 2517199 A2 20121031; KR 20120109576 A 20121008; US 2012275608 A1 20121101;
US 9111529 B2 20150818; WO 2011086253 A2 20110721; WO 2011086253 A3 20110909

DOCDB simple family (application)
FR 0959547 A 20091223; EP 10801652 A 20101210; FR 2010052671 W 20101210; KR 20127019527 A 20101210;
US 201013518993 A 20101210