Title (en)
STEREO AUDIO SIGNAL ENCODER

Title (de)
CODIERER EINES STEREOAUDIOSIGNALS

Title (fr)
CODEUR DE SIGNAL AUDIO STÉRÉO

Publication
EP 3577649 A1 20191211 (EN)

Application
EP 18747600 A 20180111

Priority
- GB 201701594 A 20170131
- FI 2018050018 W 20180111

Abstract (en)
[origin: GB2559199A] An adaptive stereo audio signal encoder/decoder receives multichannel audio frames, determines difference parameters (553, eg. gain, interphase difference, residual prediction gain), generates index values from initial scalar quantized parameters (451) and index maps for reordering the index values, and encodes the reordered index values to generate a single (mono) channel 555. Increasing the coding efficiency of these parameters means reducing the bitrate of the extension and using the saved bits for better encoding of the mono downmix. Golomb-Rice (GR) encoding 455 then allows efficient voice coding of the single (mono) channel, and subsequent decoding (figs 9 & 10).

IPC 8 full level
G10L 19/008 (2013.01); **G10L 19/02** (2013.01); **G10L 19/035** (2013.01); **H03M 7/40** (2006.01)

CPC (source: EP GB)
G10L 19/0017 (2013.01 - EP); **G10L 19/008** (2013.01 - EP); **G10L 19/035** (2013.01 - GB); **G10L 19/24** (2013.01 - GB);
G10L 19/035 (2013.01 - EP)

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
GB 201701594 D0 20170315; **GB 2559199 A 20180801**; EP 3577649 A1 20191211; EP 3577649 A4 20201111; EP 3577649 B1 20230510; ES 2946235 T3 20230714; WO 2018142018 A1 20180809

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GB 201701594 A 20170131; EP 18747600 A 20180111; ES 18747600 T 20180111; FI 2018050018 W 20180111