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(71) Applicant: **FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V.** [DE/DE]; Hansastraße 27c, 80686 München (DE).

(72) Inventors: **KÜCH, Fabian**; Schützenweg 13, 91052 Erlangen (DE). **UHLE, Christian**; Hoher Rain 28, 92289 Ursensollen (DE). **KRATSCHMER, Michael**; An der Leiten 10, 90765 Fürth (DE). **NEUGEBAUER, Bernhard**; Eisenstraße 31, 91054 Buckenhof (DE). **MEIER, Michael**; Höchstadter Straße 13, 91086 Aurachtal (DE). **BORSUM, Arne**; Vogelherd 64, 91058 Erlangen (DE).

(74) Agents: **SCHENK, Markus** et al.; Schoppe, Zimmermann, Stöckeler & Zinkler, 246, 82043 Pullach (DE).

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(54) Title: CONCEPT FOR COMBINED DYNAMIC RANGE COMPRESSION AND GUIDED CLIPPING PREVENTION FOR AUDIO DEVICES

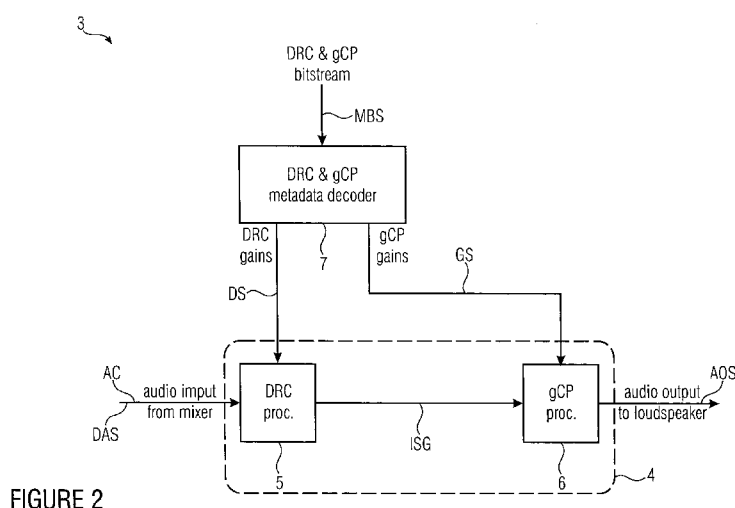


FIGURE 2

(57) Abstract: Concept for combined dynamic range compression and guided clipping prevention for audio devices The invention provides a concept for combined dynamic range compression and guided clipping prevention for audio devices. An audio decoder for decoding an audio bitstream and a metadata bitstream related to the audio bitstream according to the concept comprises an audio processing chain configured to receive a decoded audio signal derived from the audio bitstream and to adjust characteristics of the audio signal in order to produce an audio output signal, the audio adjustment chain comprising a plurality of adjustment stages including a dynamic range control stage for adjusting a dynamic range of the audio output signal and a guided clipping prevention stage for preventing clipping of the audio output signal; and a metadata decoder configured to receive the metadata bitstream and to extract dynamic range control gain sequences and guided clipping prevention gain sequences from the metadata bitstream.