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- (71) **Applicant: DOLBY LABORATORIES LICENSING CORPORATION** [US/US]; 1275 Market Street, San Francisco, California 94103 (US).
- (72) **Inventors: TYAGI, Rishabh;** c/o Dolby Australia Pty Ltd, 35 - 51 Mitchell Street, McMahon's Point Level 3, Sydney,

New South Wales NSW 2060 (AU). **TORRES, Juan Felix;** c/o Dolby Australia Pty Ltd, 35 - 51 Mitchell Street, McMahon's Point Level 3, Sydney, NSW 2060 (AU). **BROWN, Stefanie;** c/o Dolby Australia Pty Ltd, 35 - 51 Mitchell Street, McMahon's Point Level 3, Sydney, New South Wales NSW 2060 (AU).

(74) **Agent: MA, Xin et al.;** c/o Dolby Laboratories, Inc., 1275 Market Street, San Francisco, California 94103 (US).

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(54) **Title: BITRATE DISTRIBUTION IN IMMERSIVE VOICE AND AUDIO SERVICES**

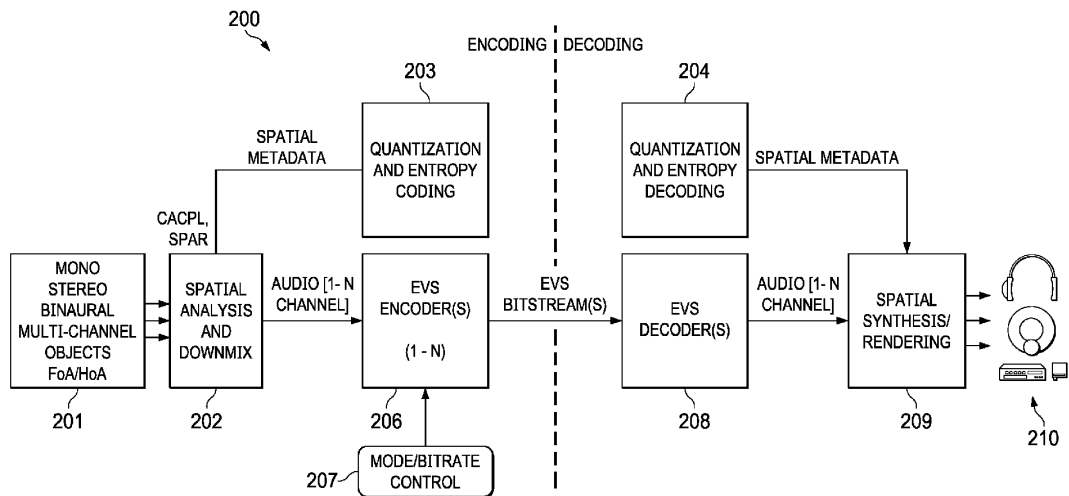


FIG. 2

(57) **Abstract:** Embodiments are disclosed for bitrate distribution in immersive voice and audio services. In an embodiment, a method of encoding an IVAS bitstream comprises: receiving an input audio signal; downmixing the input audio signal into one or more downmix channels and spatial metadata; reading a set of one or more bitrates for the downmix channels and a set of quantization levels for the spatial metadata from a bitrate distribution control table; determining a combination of the one or more bitrates for the downmix channels; determining a metadata quantization level from the set of metadata quantization levels using a bitrate distribution process; quantizing and coding the spatial metadata using the metadata quantization level; generating, using the combination of one or more bitrates, a downmix bitstream for the one or more downmix channels; combining the downmix bitstream, the quantized and coded spatial metadata and the set of quantization levels into the IVAS bitstream.

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WO 2021/086965 A1

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