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(54) Title: AUDIO SIGNAL REPRESENTATION DECODING UNIT AND AUDIO SIGNAL REPRESENTATION ENCODING UNIT

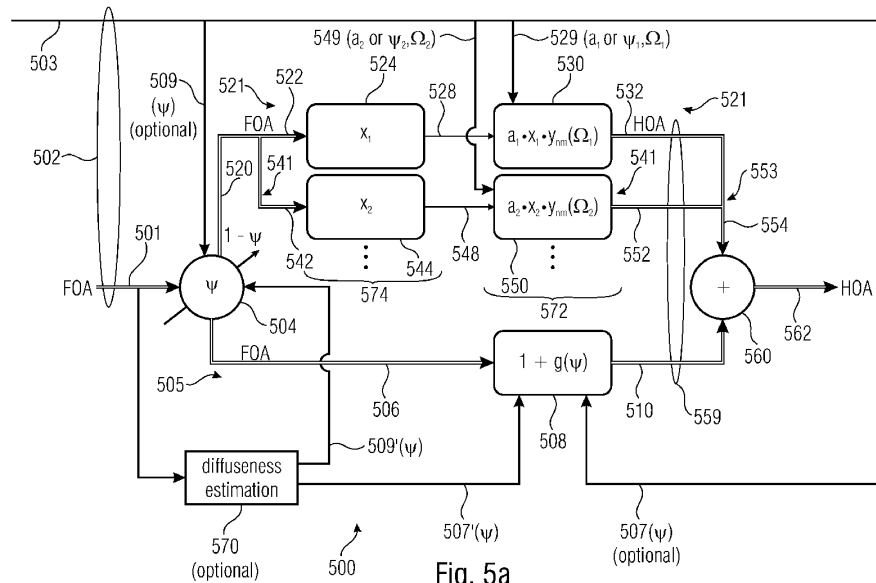


Fig. 5a

(57) Abstract: An audio signal representation decoding unit (500) for generating a decompressed ambisonic spatial audio signal representation (562), the compressed ambisonic spatial audio signal representation (502) including at least one transport channel (501) and side information (503) including, for each spatial sector of a plurality of spatial sectors, directional parameter(s) (529, 549, 718) providing information on a direction of arrival, DoA, in the spatial sector and sector diffuseness parameter(s) (529, 549) providing information on sector diffuseness of the audio signal in the at least one spatial sector, the audio signal representation decoding unit including a global diffuseness signal inserter (560) to combine the plurality of decoded directional sector signals (532, 552) and a global diffuseness signal (510), that has been derived by applying a global diffuseness parameter to the transport channel, to output the decompressed ambisonic spatial audio signal representation (562).

[Continued on next page]

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