

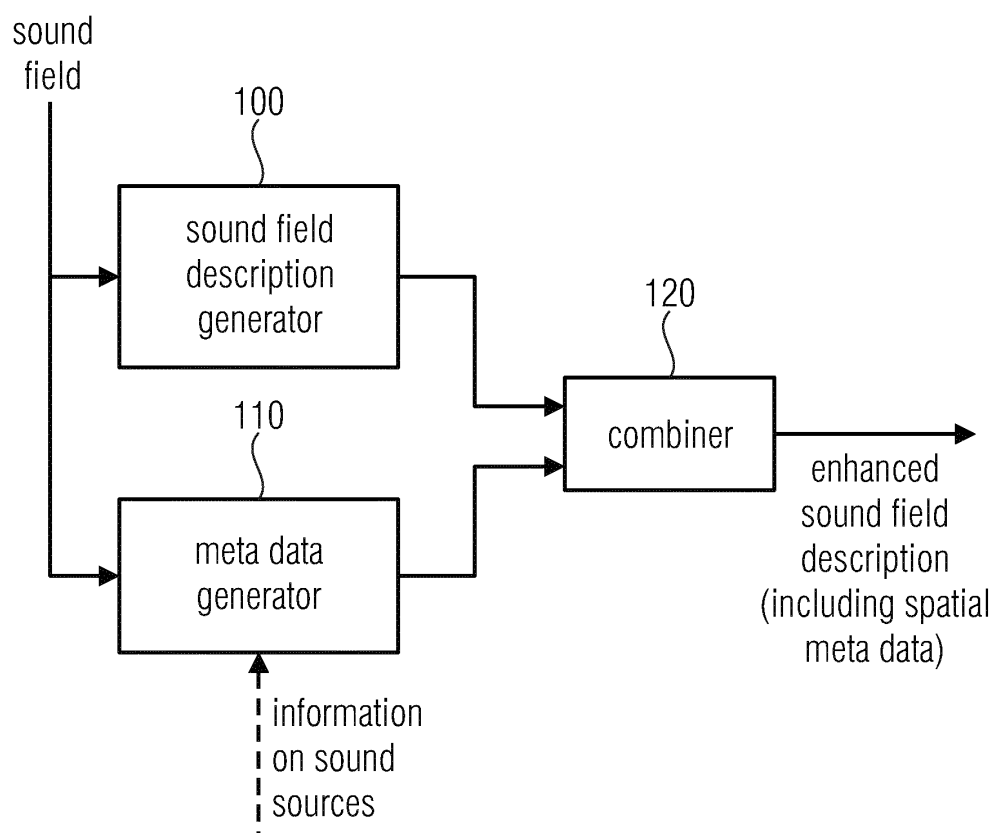


Fig. 1a

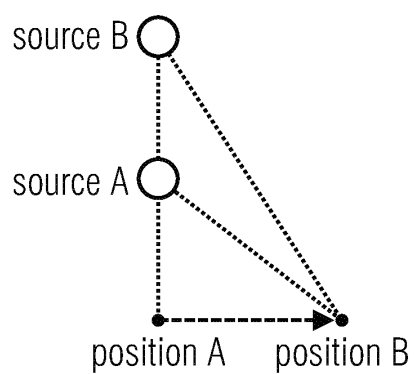


Fig. 1b

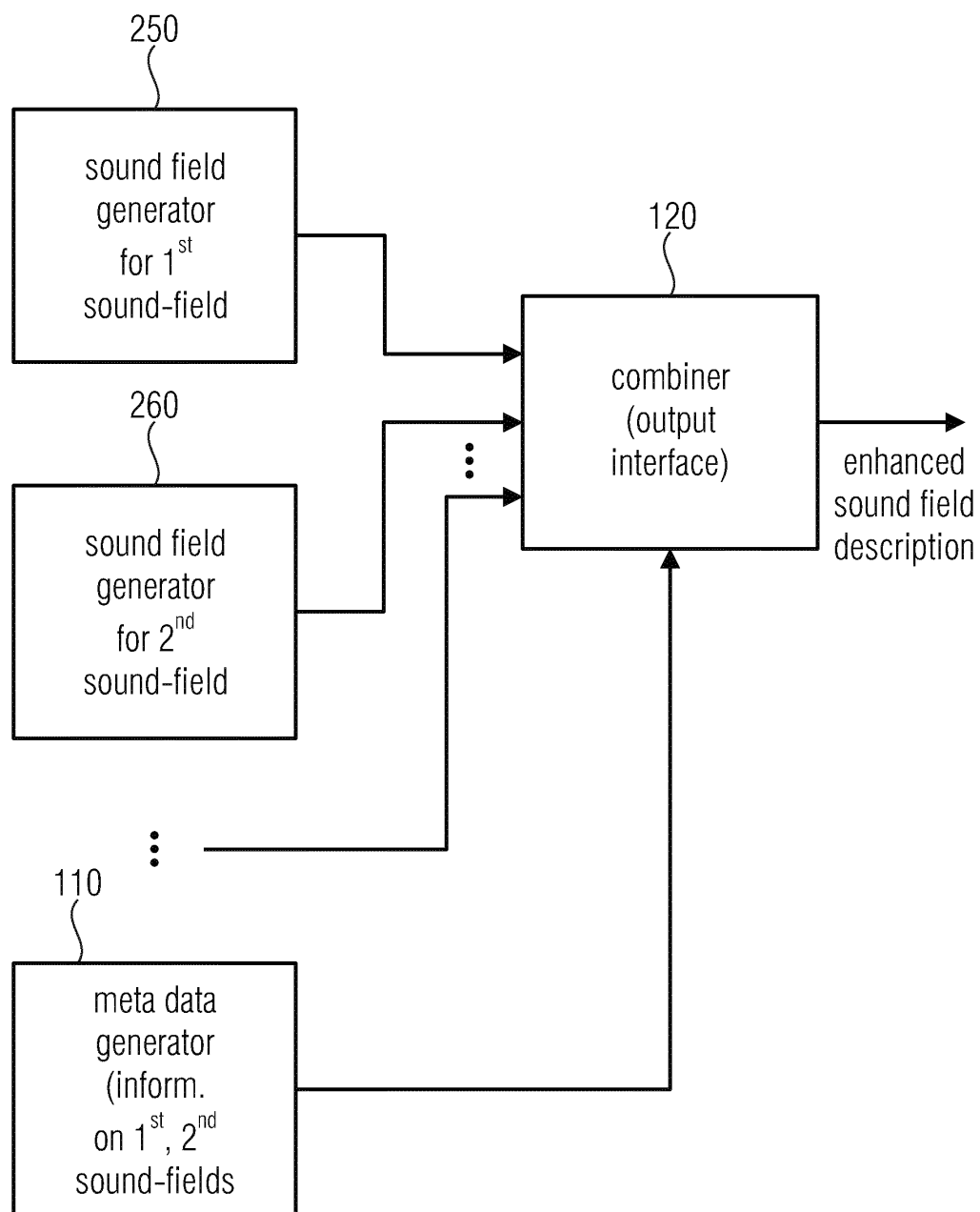


Fig. 2

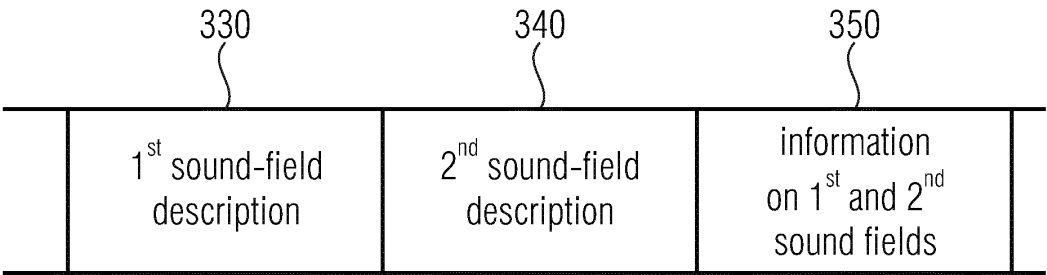


Fig. 3a

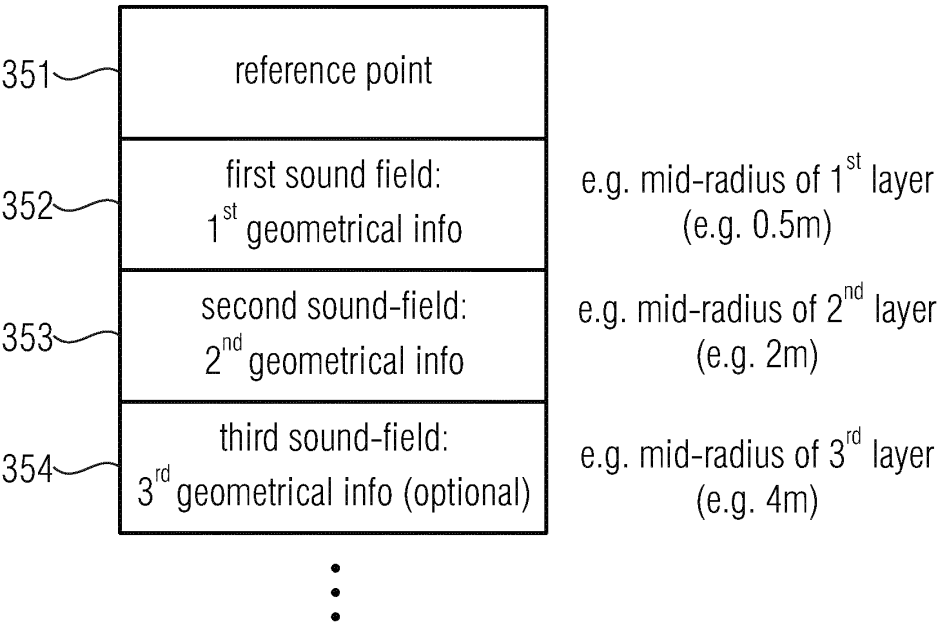


Fig. 3b

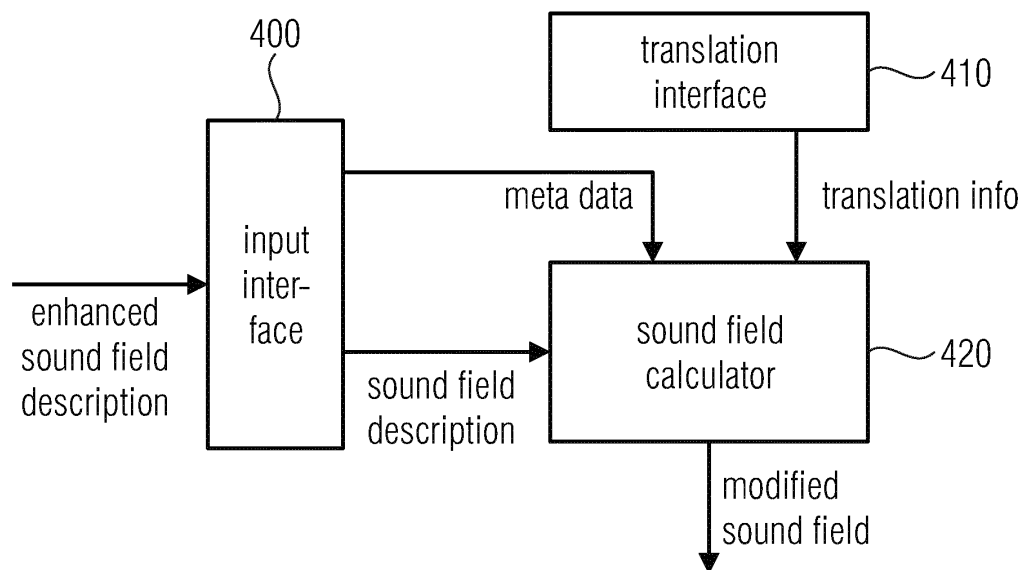


Fig. 4a

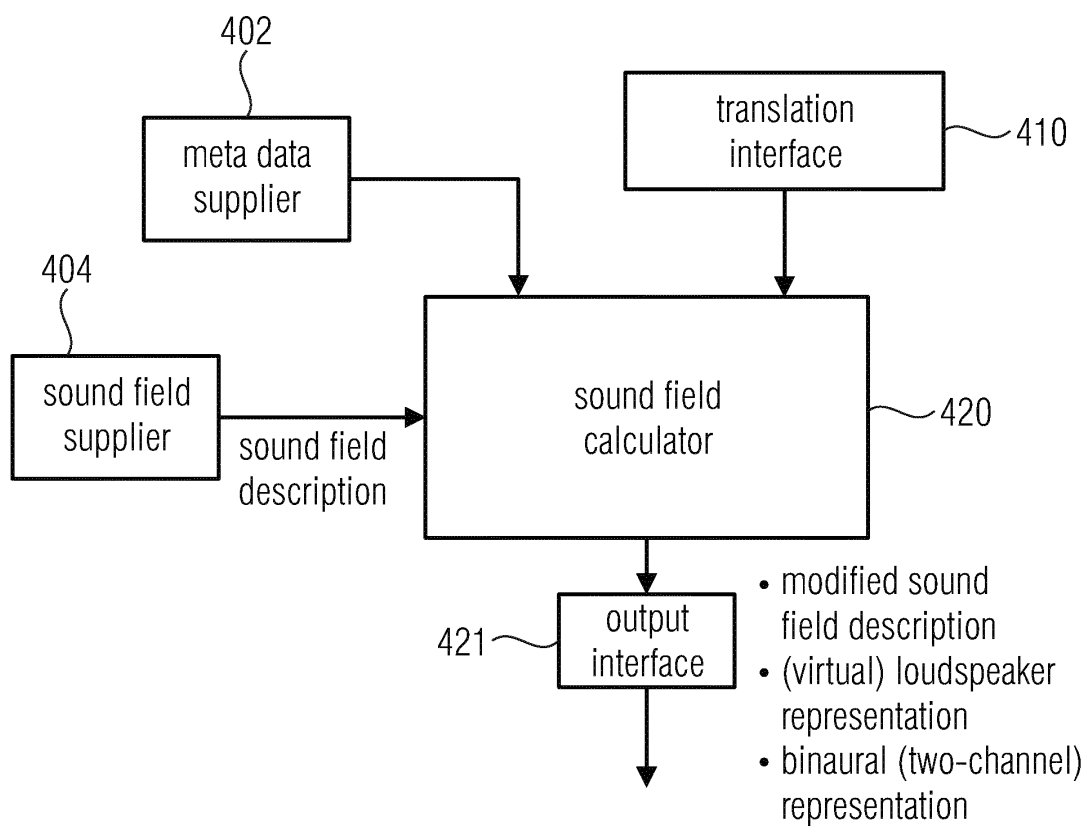


Fig. 4b

490	491	492	493
ID	OLD	NEW	SCALE
1	1	3	ATT
2	1	2	ATT
3	2	3	ATT
4	2	2	NO
5	3	3	NO
6	3	1	AMP

[compare new distance
to layer radius]

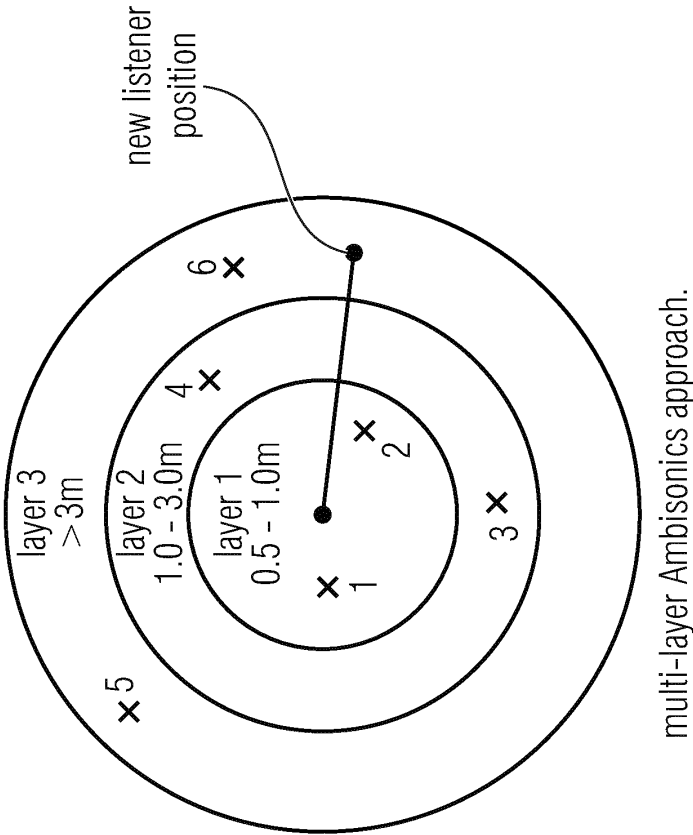


Fig. 4c

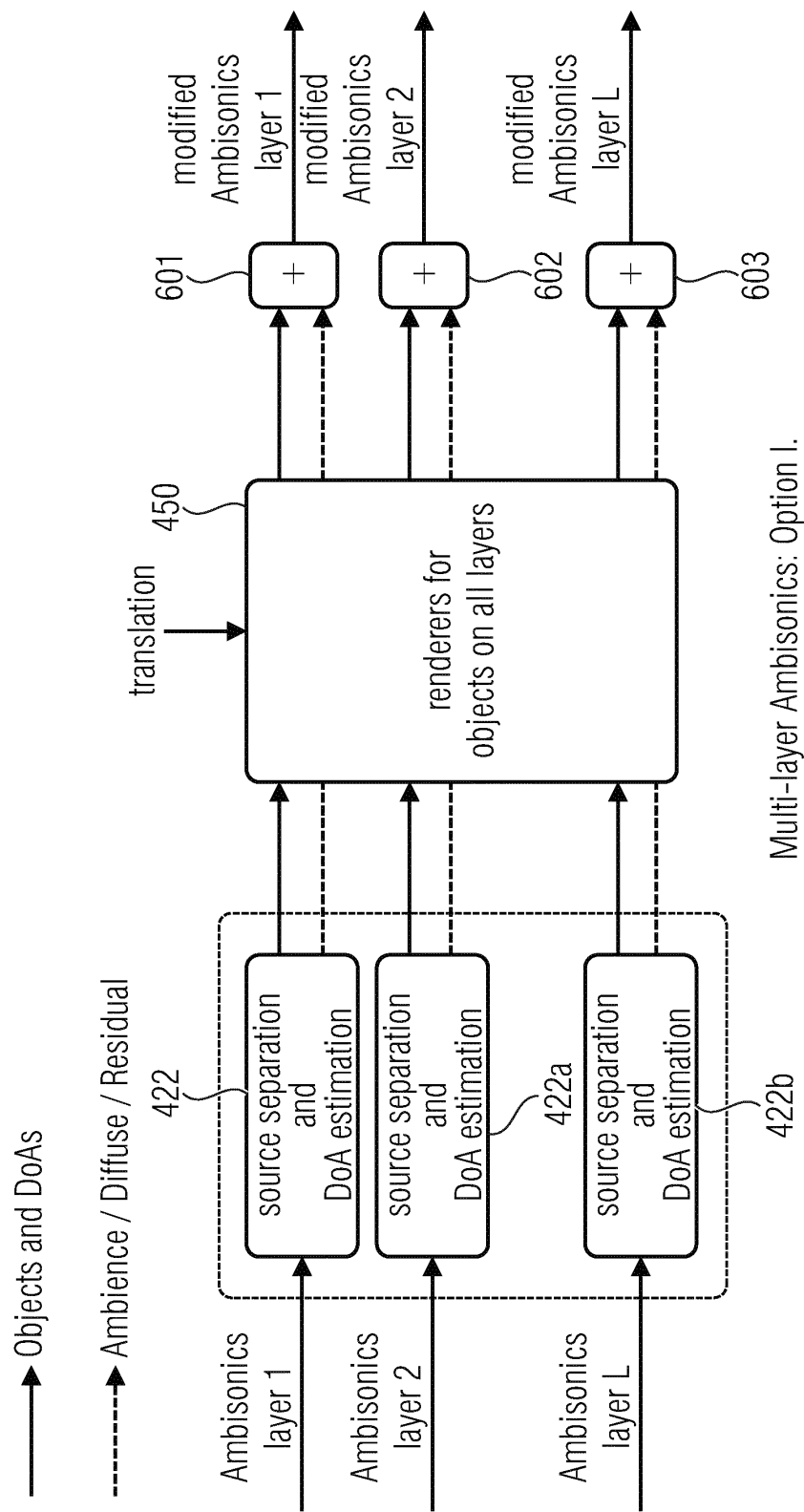


Fig. 4d

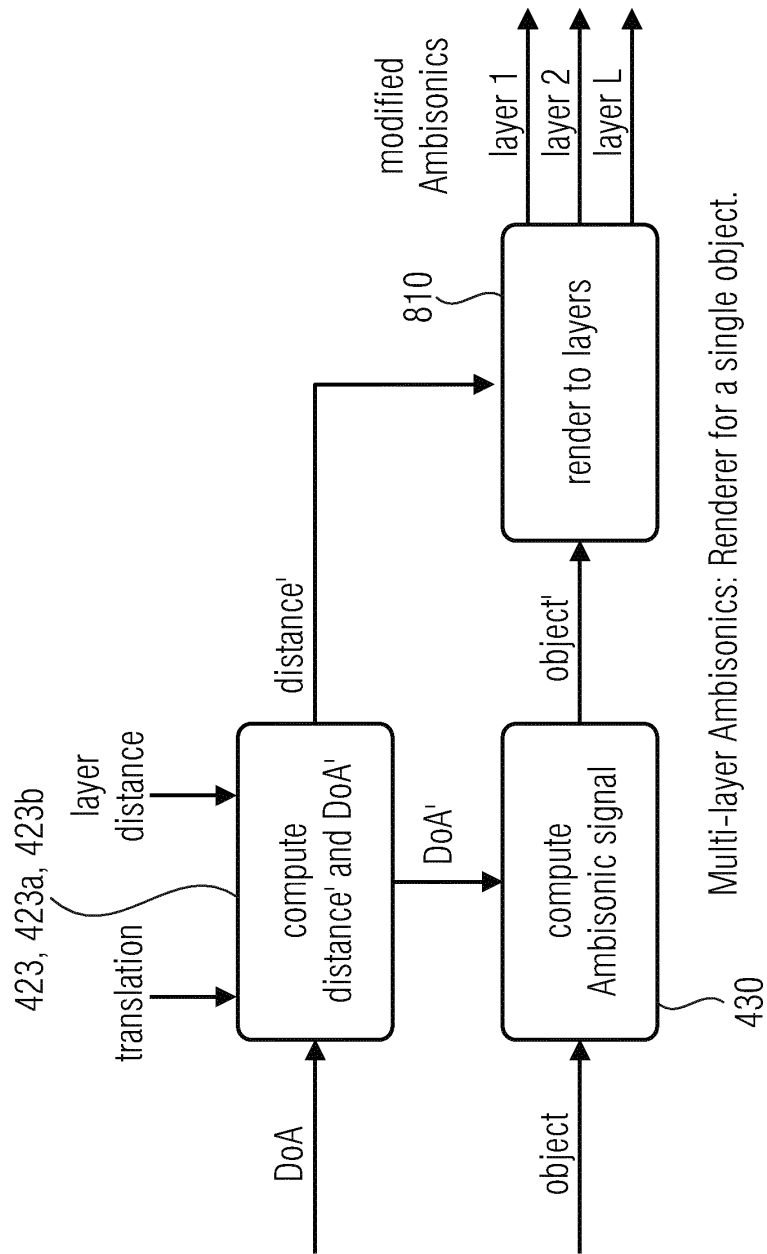


Fig. 4e

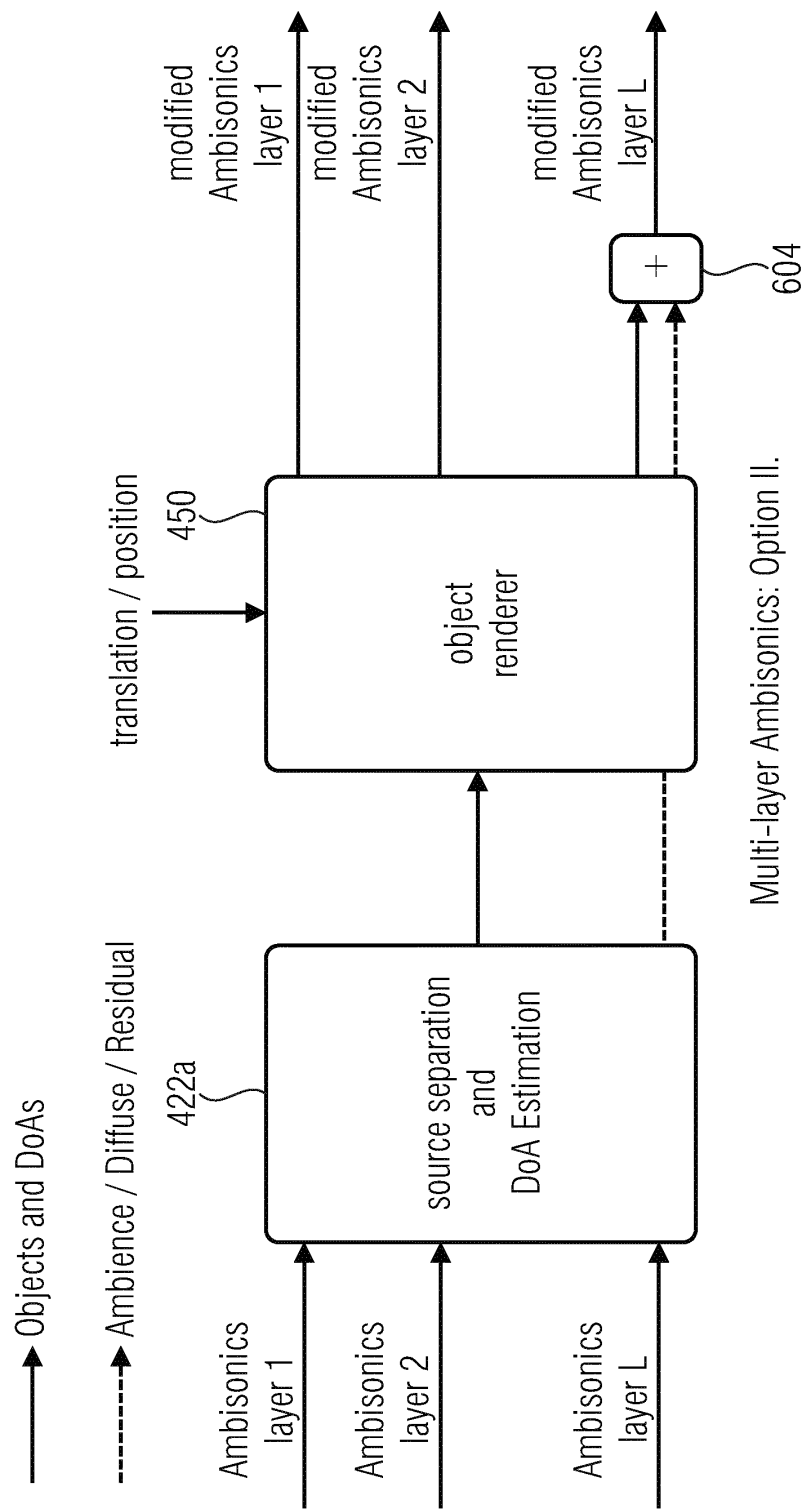
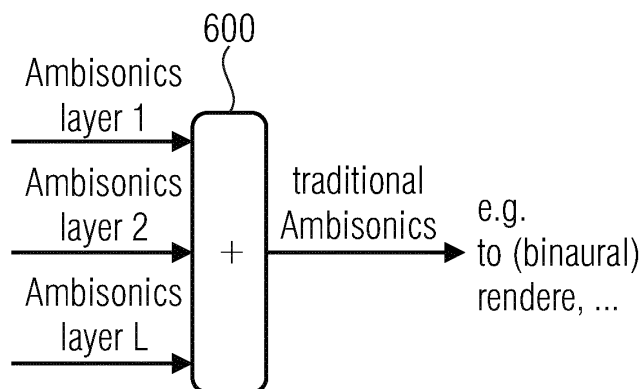


Fig. 4f



Conversion from multi-layer Ambisonics to traditional Ambisonics.

Fig. 4g

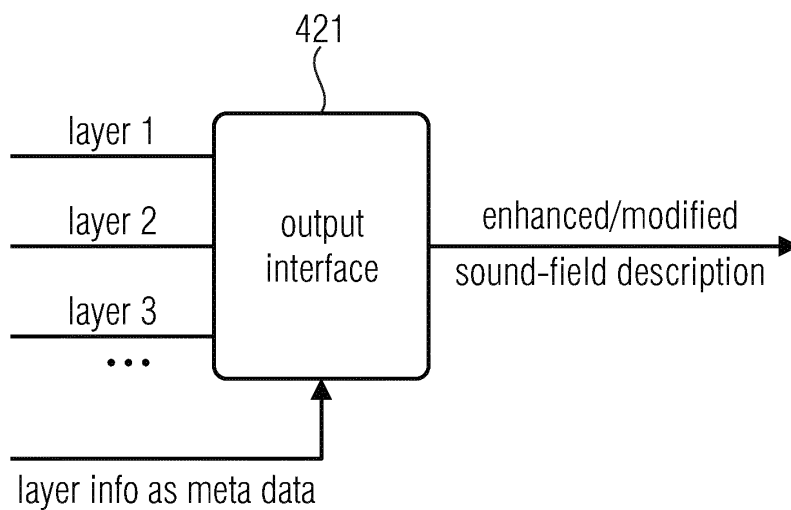
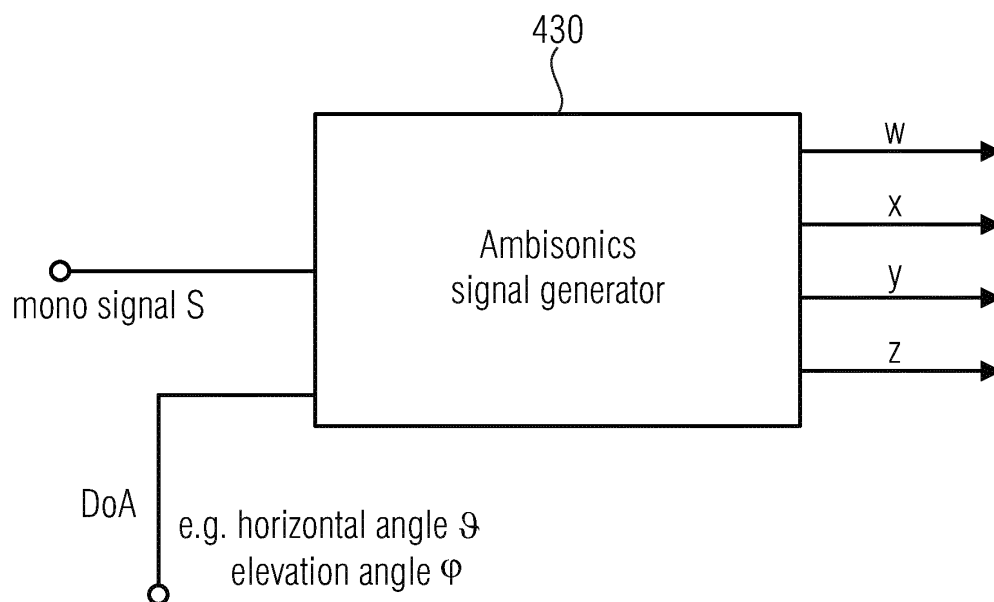


Fig. 4h

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omnidirectional comp $W = S \cdot \sqrt{\frac{1}{2}}$

directional components $\left\{ \begin{array}{l} X = S \cdot \cos \vartheta \cos \varphi \\ Y = S \cdot \sin \vartheta \cos \varphi \\ Z = S \cdot \sin \varphi \end{array} \right.$

Fig. 4i

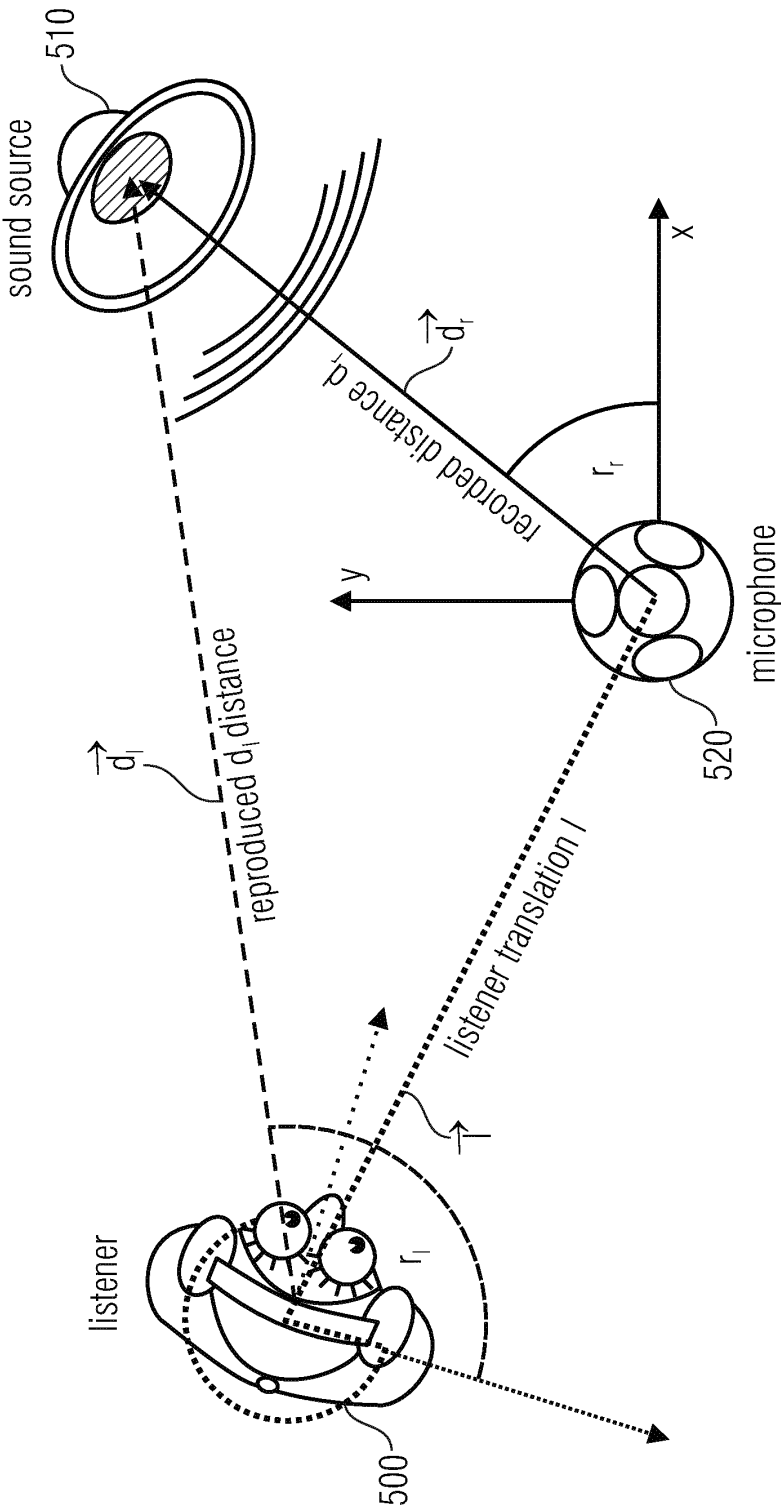


Fig. 5

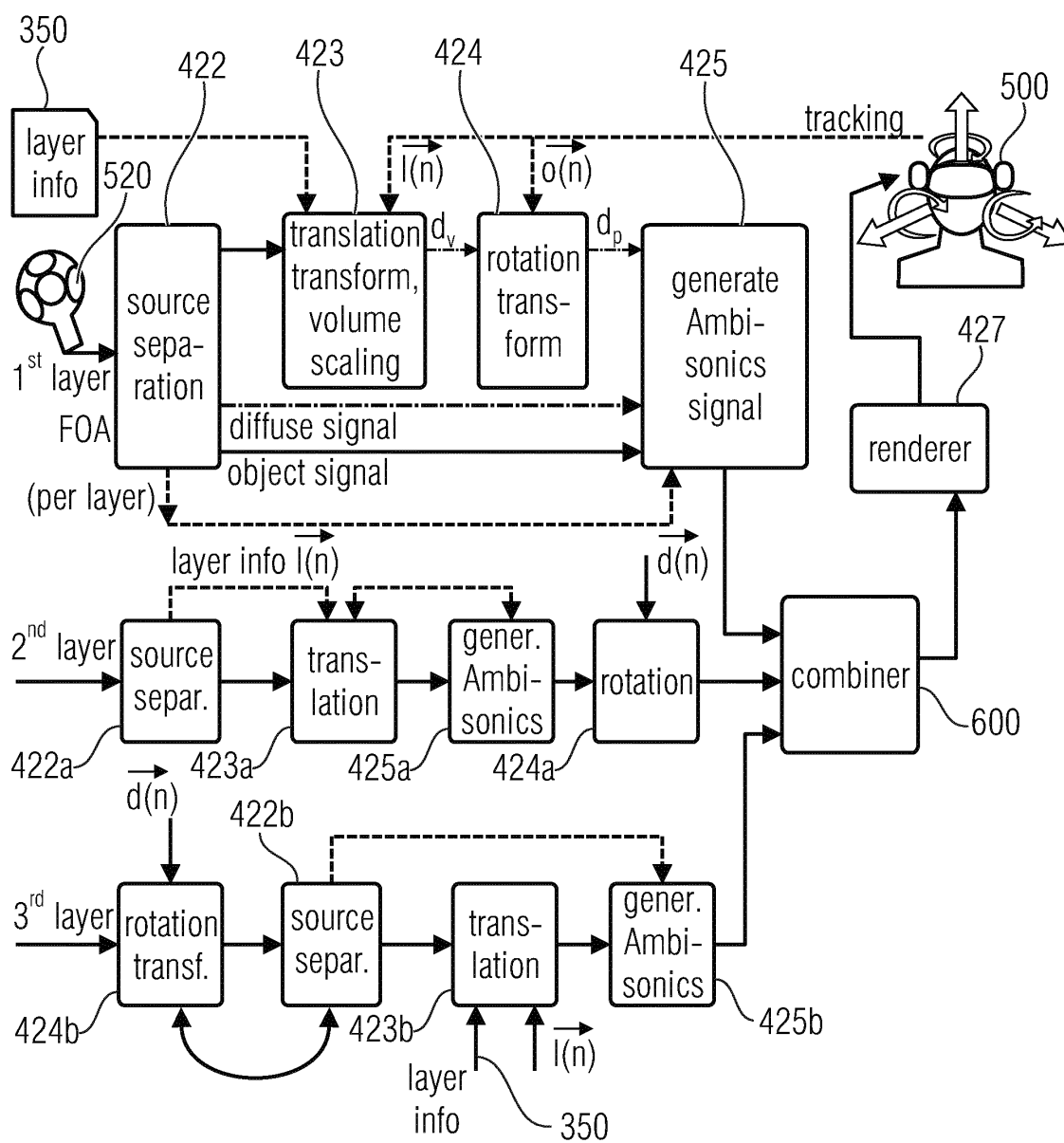


Fig. 6

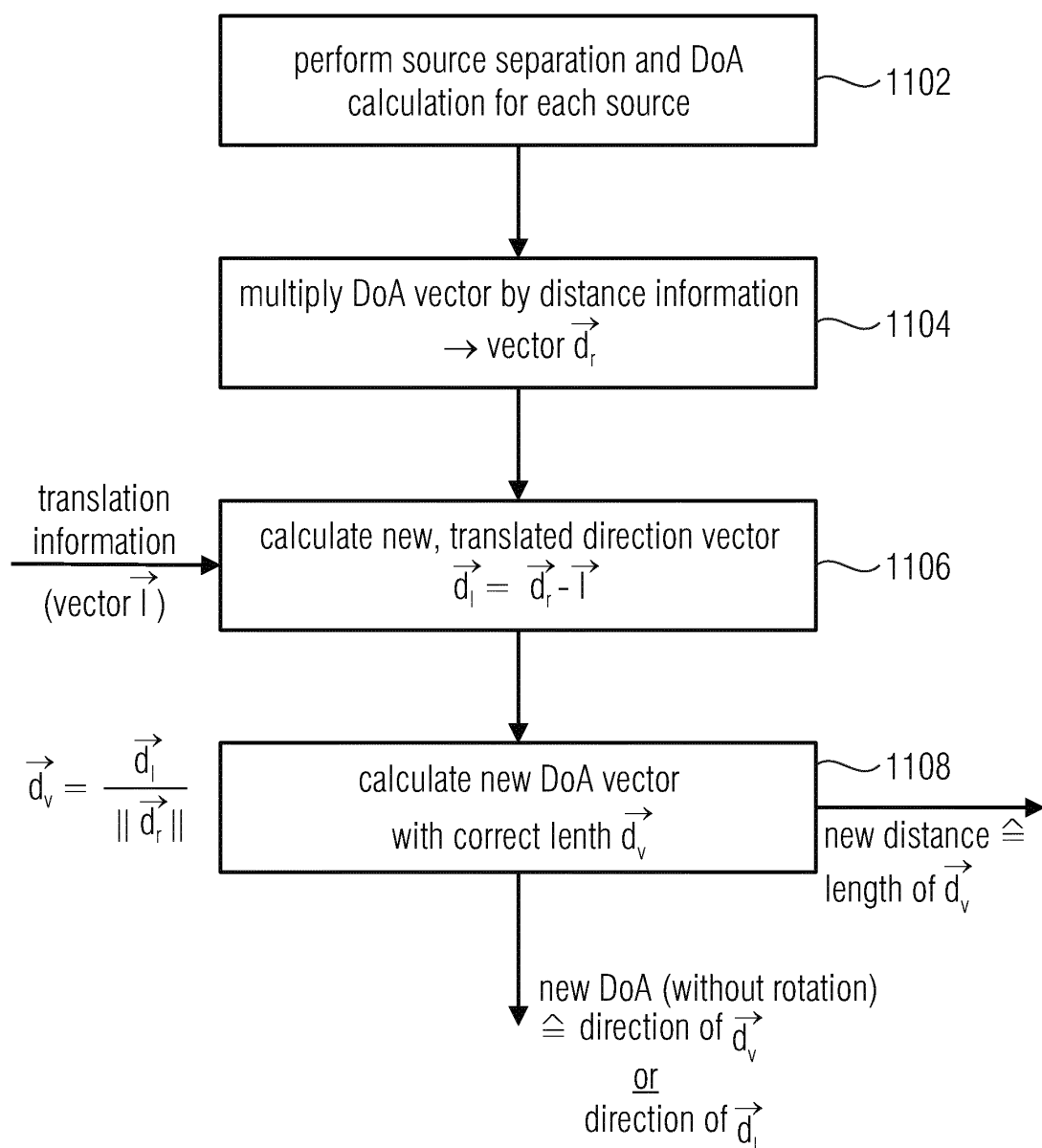


Fig. 7

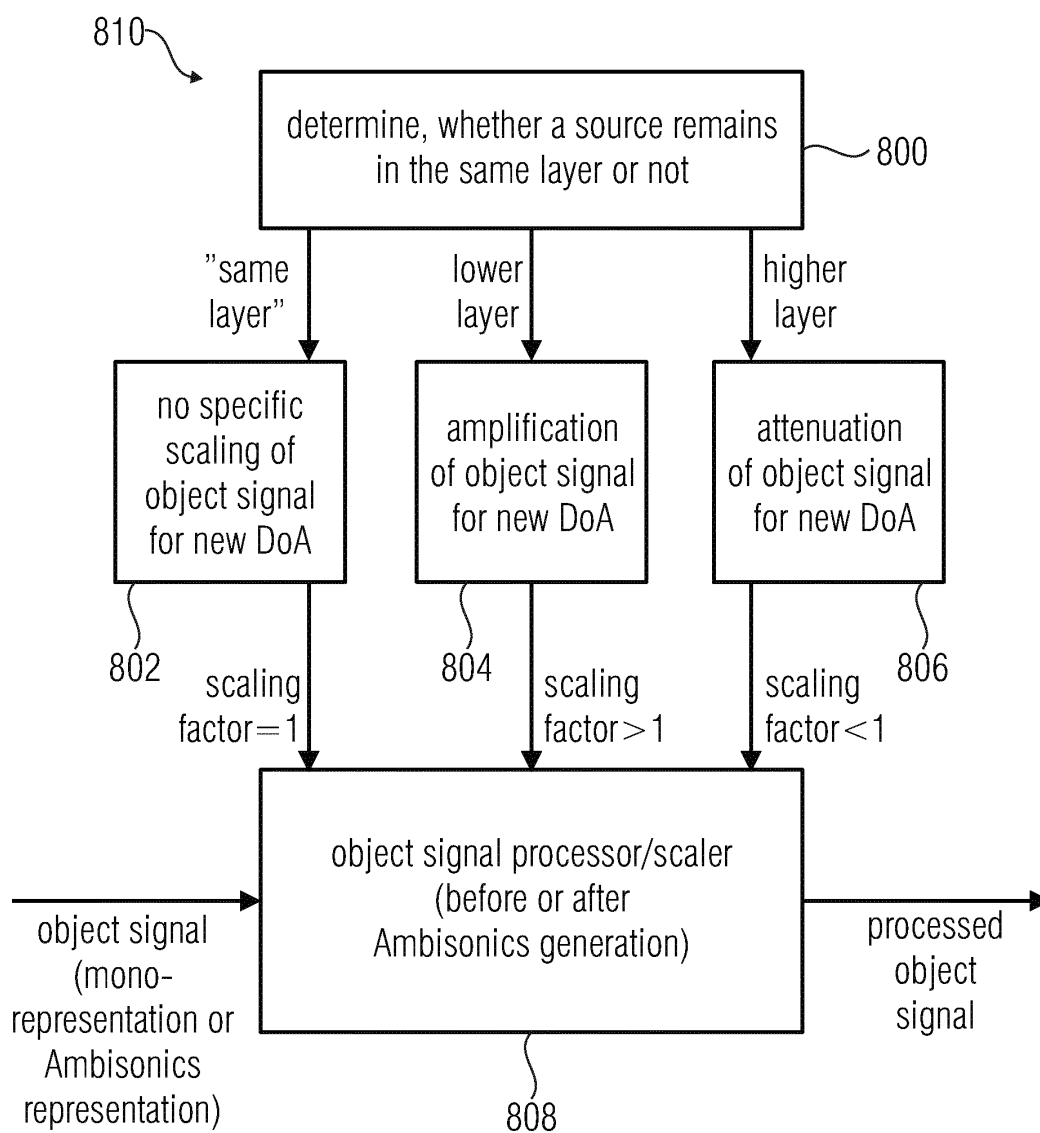


Fig. 8

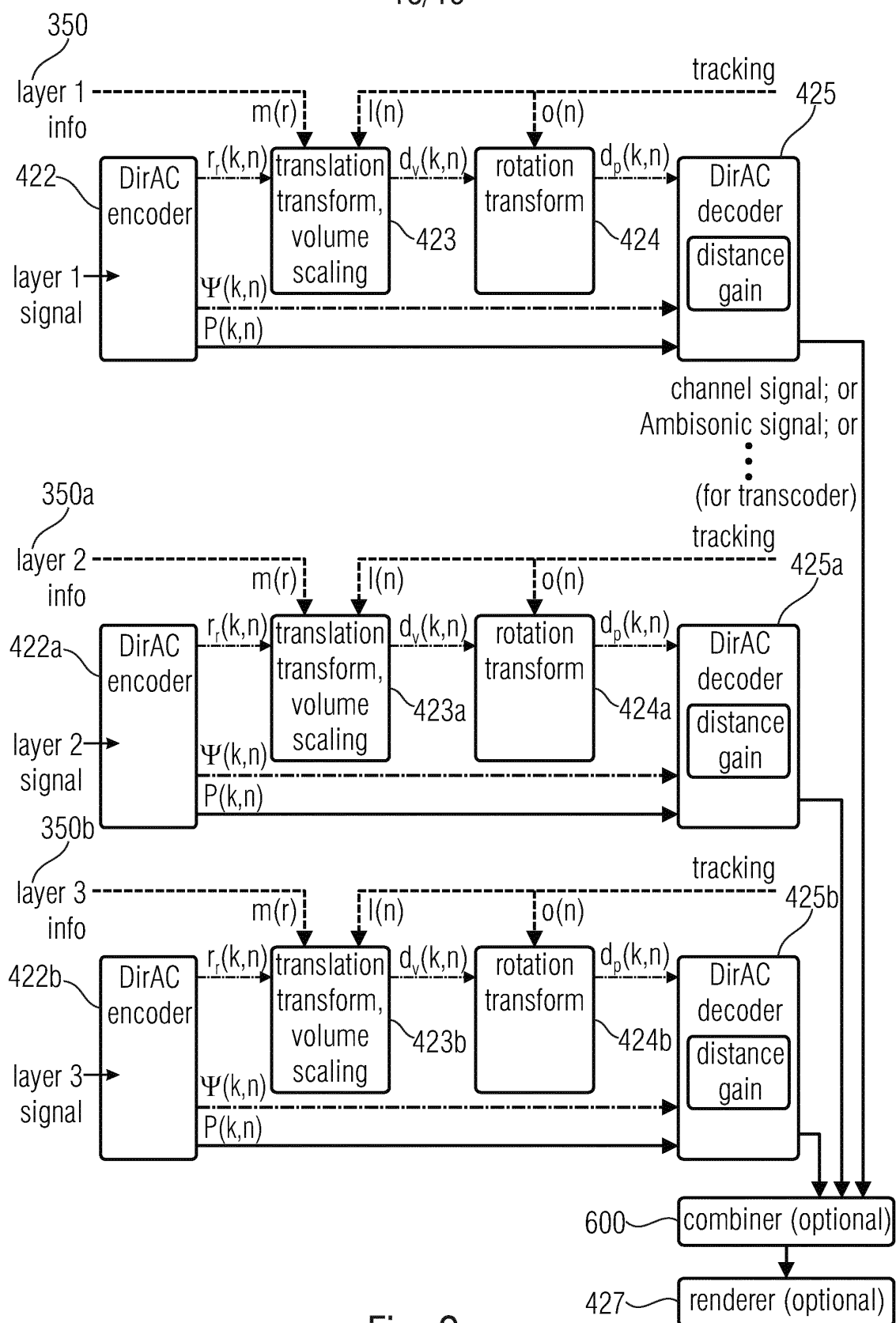


Fig. 9

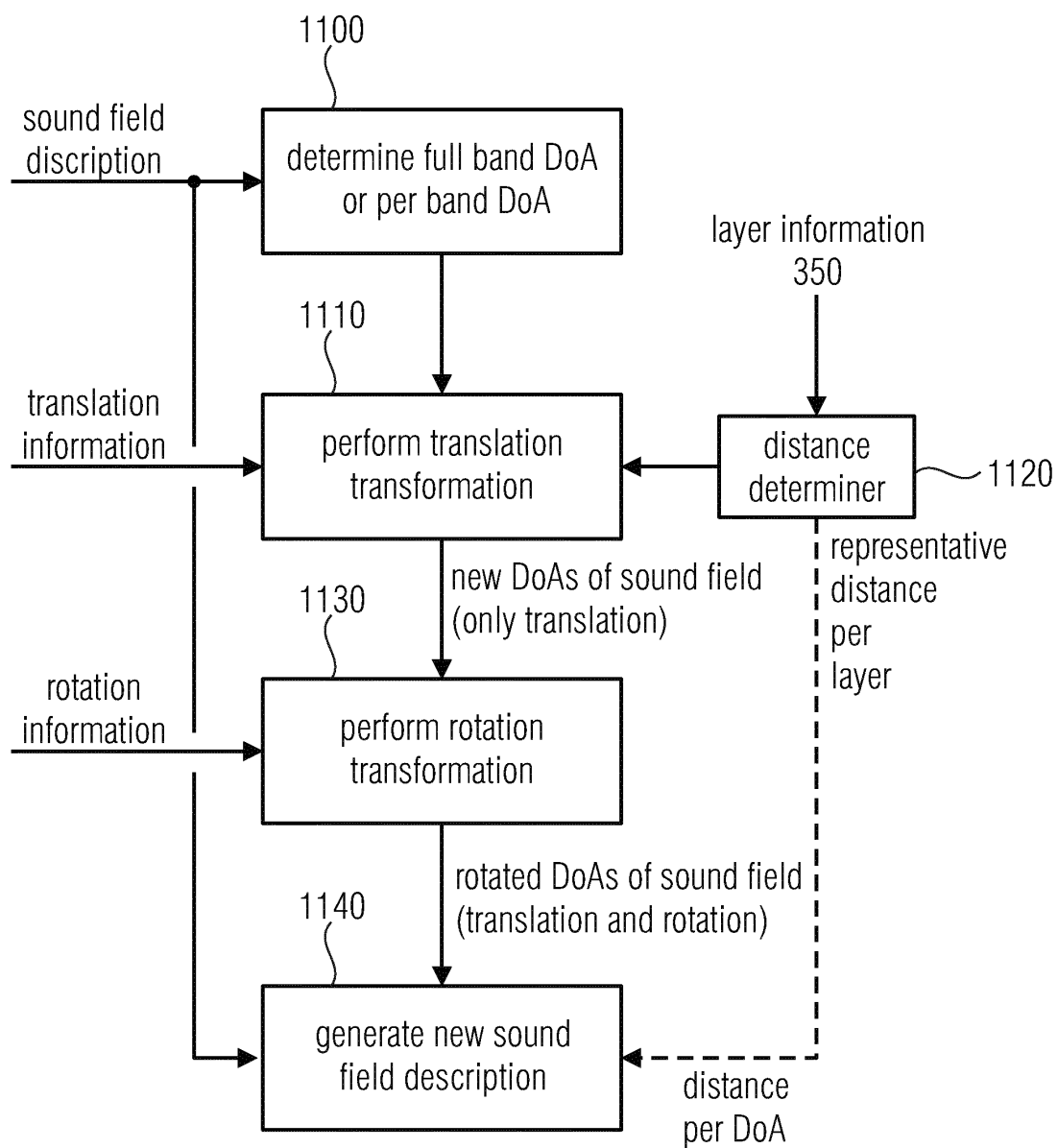


Fig. 10

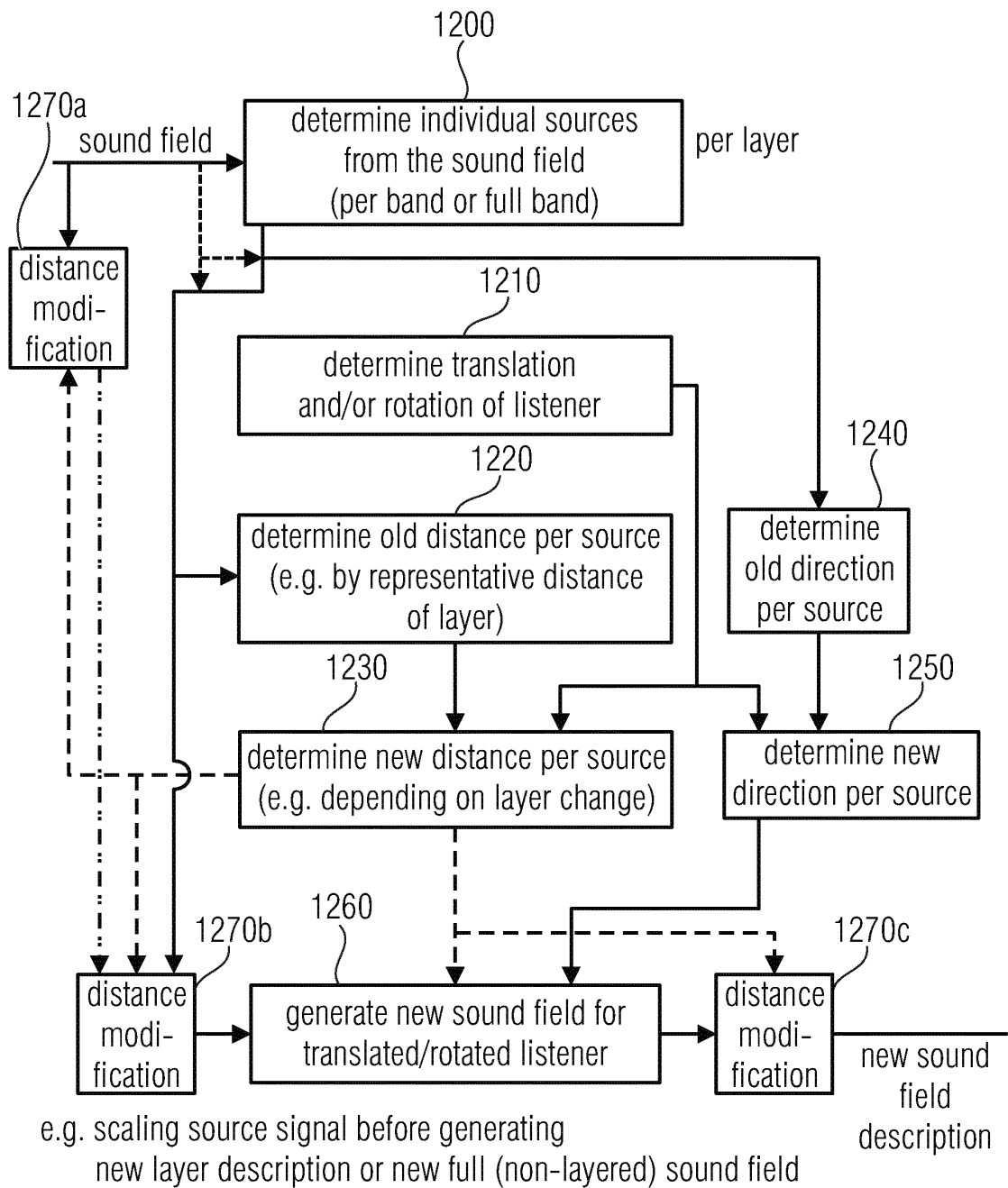
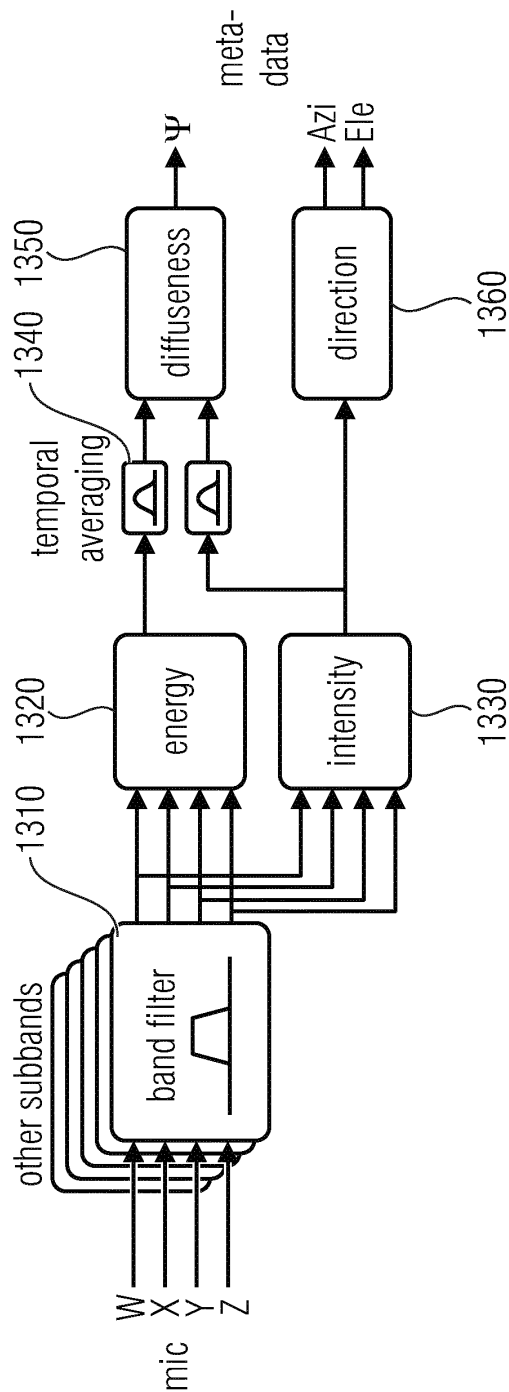
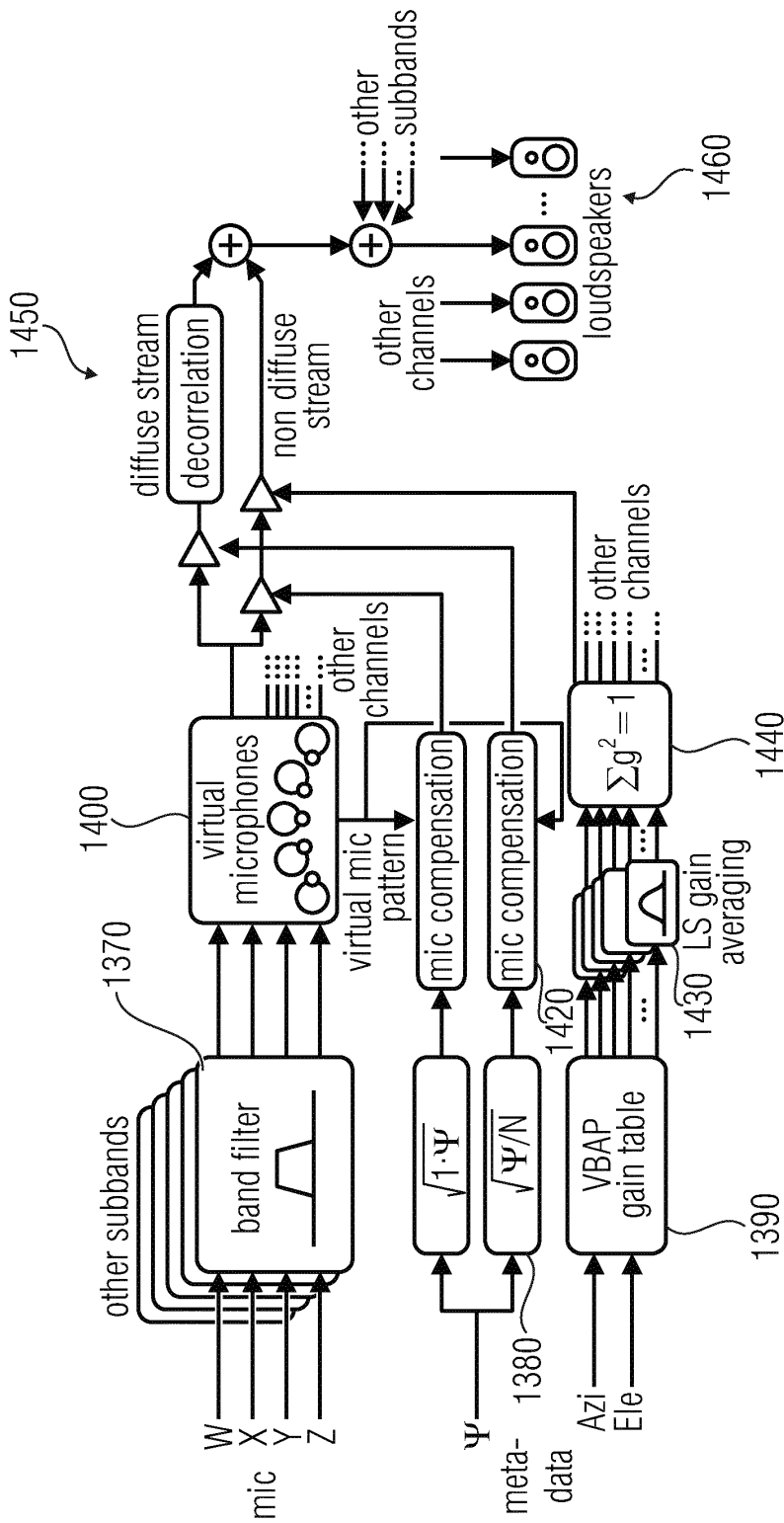


Fig. 11



DirAC analysis

Fig. 12a



DirAC synthesis

Fig. 12b