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(54) Title: APPARATUS AND METHOD FOR REPRODUCING A SPATIALLY EXTENDED SOUND SOURCE OR APPARATUS AND METHOD FOR GENERATING A BITSTREAM FROM A SPATIALLY EXTENDED SOUND SOURCE

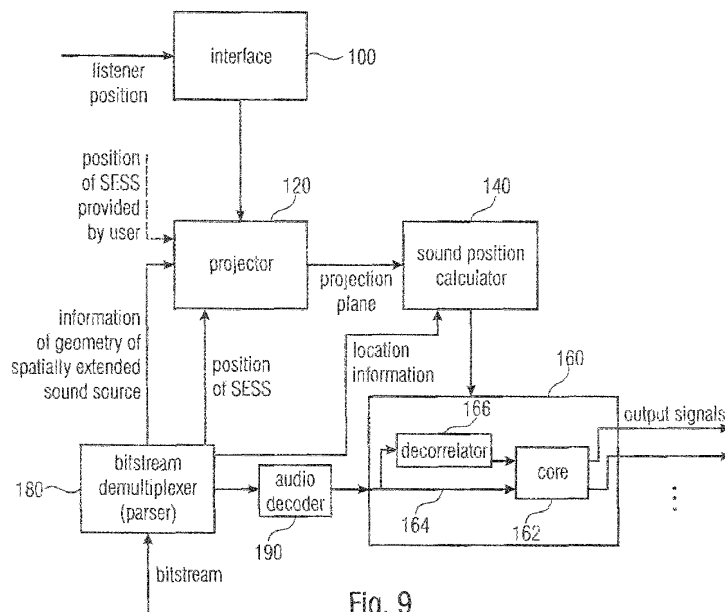


Fig. 9

(57) Abstract: Apparatus for reproducing a spatially extended sound source having a defined position and geometry in a space, the apparatus comprises an interface (100) for receiving a listener position; a projector (120) for calculating a projection of a two-dimensional or three-dimensional hull associated with the spatially extended sound source onto a projection plane using the listener position, information on the geometry of the spatially extended sound source, and information on the position of the spatially extended sound source; a sound position calculator (140) for calculating positions of at least two sound sources for the spatially extended sound source using the projection plane; and a renderer (160) for rendering the at least two sound sources at the positions to obtain a reproduction of the spatially extended sound source having two or more output signals, wherein the renderer (160) is configured to use different sound

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