



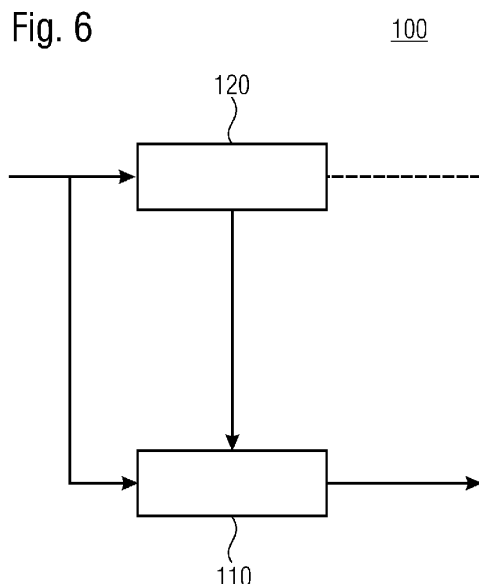
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- (54) **Title:** APPARATUS AND METHOD TO TRANSFORM AN AUDIO STREAM



- (57) **Abstract:** Apparatus (100) for transforming an audio stream with more than one channel into another representation comprising: means for deriving (120) one or more parameters describing an acoustic or psychoacoustic model of the audio stream, said one or more parameters comprising information on a direction of arrival, wherein the means for deriving (120) are configured to calculate prediction coefficients using the information on a direction of arrival, means for transforming (110) the audio stream in a signal-adaptive way using the prediction coefficients; and wherein the means for transforming (110e) are configured to perform a downmixing of the audio stream on the encoder (200) side; and wherein the means for transforming (110d) are configured to perform upmix generation of the audio stream on the decoder (300) side.

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