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(54) **Title:** PREDICTION-BASED FM STEREO RADIO NOISE REDUCTION

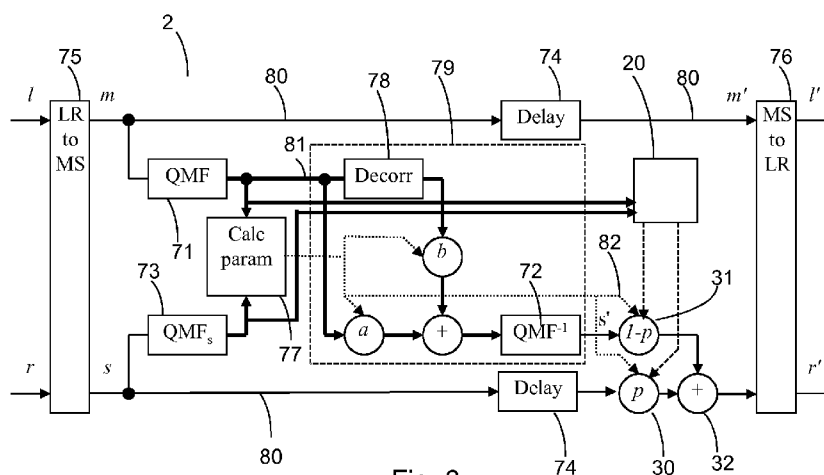


Fig. 3

(57) **Abstract:** The present document relates to audio signal processing, in particular to an apparatus and a corresponding method for improving the audio signal of an FM stereo radio receiver. In particular, the present document relates to a method and system for reducing the noise of a received FM stereo radio signal. An apparatus (2) configured to reduce noise of a received multi-channel FM radio signal is described, wherein the received multi-channel FM radio signal is representable as a received mid signal and a received side signal. The apparatus (2) comprises a parameter determination unit (77) configured to determine one or more parameters indicative of a correlation and/or decorrelation between the received mid signal and the received side signal; and a noise reduction unit (79) configured to generate a noise-reduced side signal from the received mid signal and not from the received side signal using the one or more parameters.