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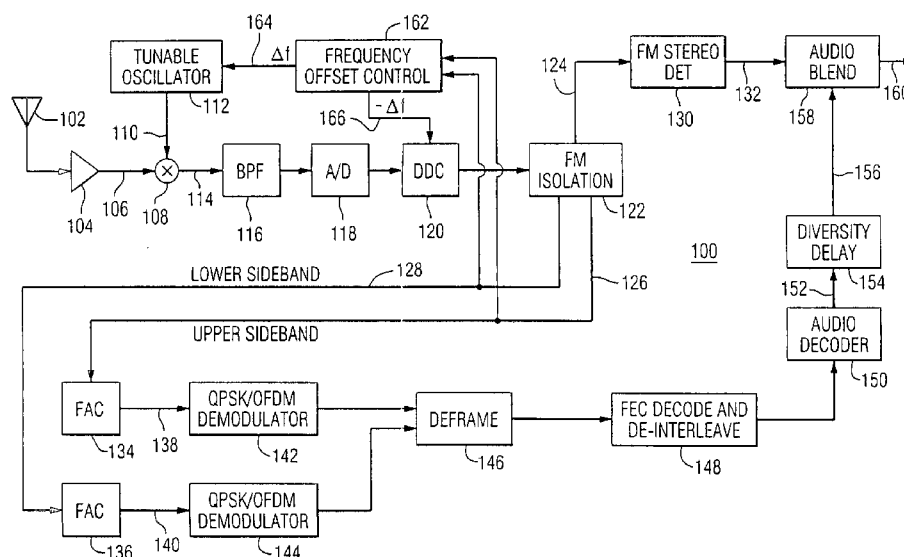
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(54) Title: ADJACENT CHANNEL INTERFERENCE MITIGATION FOR FM DIGITAL AUDIO BROADCASTING RECEIVERS



(57) Abstract: A method of receiving an FM digital audio broadcasting signal including a first plurality of sub-carriers in a lower sideband of the radio channel comprises the steps of mixing the digital audio broadcasting signal with a local oscillator signal (112) to produce an intermediate frequency signal (114) through a bandpass filter (116) to produce a filter signal, determining if one of the upper and lower sidebands of the digital audio broadcasting signal is corrupted, and adjusting the local frequency oscillator signal (112) to change the frequency of the intermediate frequency (114) signal such that the bandpass filter (116) removes the sub-carriers in the upper or lower sideband that has been corrupted. A receiver that processes a digital audio broadcasting signal in accordance with the method is also provided.



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