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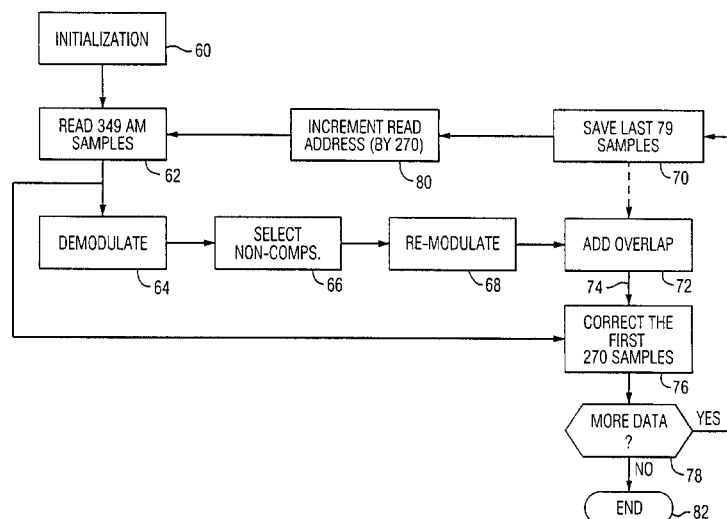
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(54) Title: AM DIGITAL AUDIO BROADCASTING WITH ANALOG SIGNAL PRE-COMPENSATION



(57) Abstract: A method for pre-compensating an analog signal in a composite digital audio broadcasting signal including the analog signal and a plurality of digitally modulated sub-carrier signals, the method comprising the steps of sampling (62) the analog signal to obtain successive blocks of samples, demodulating (64) each of the blocks of samples to obtain a plurality of demodulator outputs, remodulating (68) the demodulator outputs that correspond to the predetermined ones of the digitally modulated sub-carrier signals to produce an error signal, subtracting the error signal from the one of the blocks of samples to produce a pre-compensated block of samples, and combining the pre-compensated block of samples with a plurality of OFDM pulses to produce a compensated composite signal. An apparatus for performing the method is also included.



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