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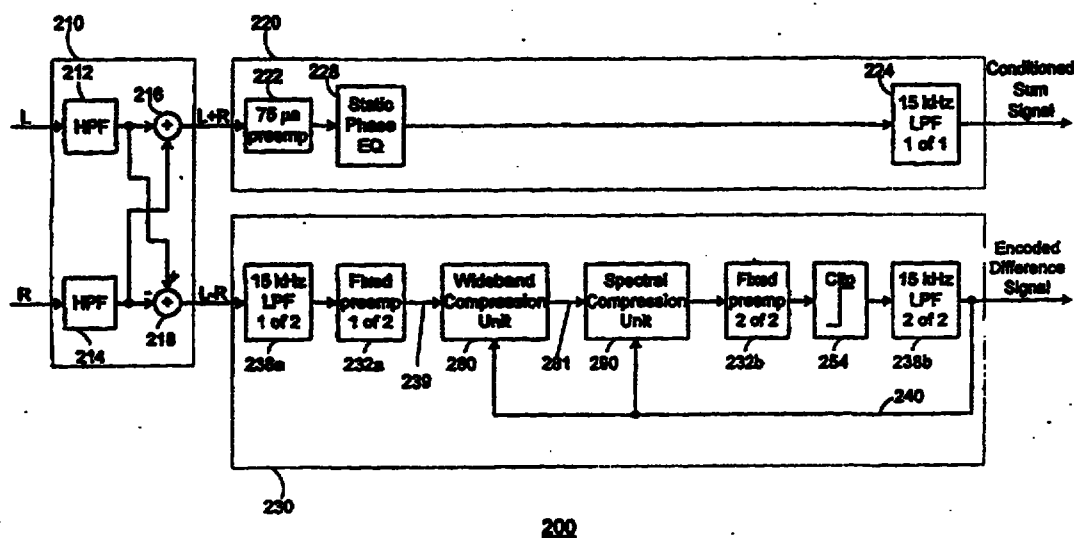
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200

(57) Abstract

A BTSC encoder (200) includes a left digital high pass filter (212) for receiving a digital left channel audio signal (L) and generating a digital left filtered signal; a right digital high pass filter (214) for receiving a digital right channel audio signal (R) and generating a digital right filtered signal; a matrix includes an adder (216) for summing the digital left and right filtered signals and generating a digital sum signal (L+R), and including a subtractor (218) for subtracting one of the digital left and right filtered signals from the other of the digital left and right filtered signals and generating a digital difference signal (L-R); a difference channel processor (230) for digitally processing the digital difference signal (L-R); and a sum channel processor (220) for digitally processing the digital sum signal (L+R).