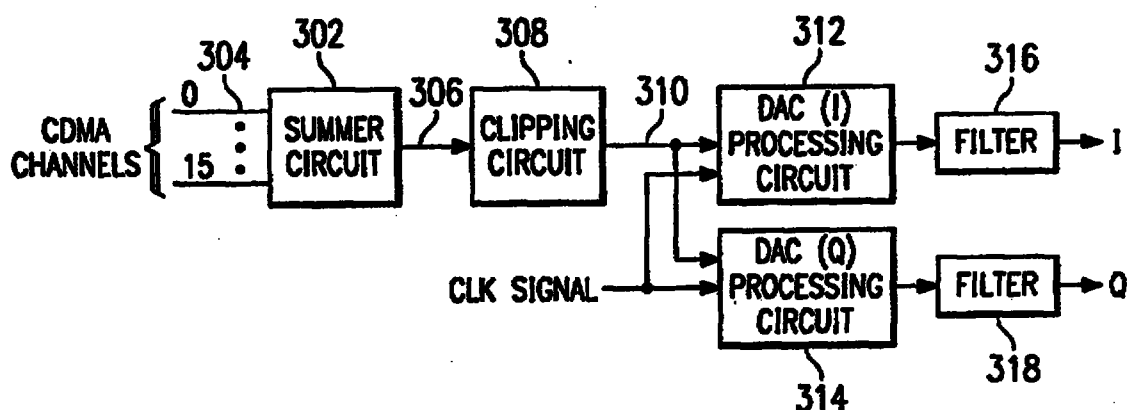


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(54) Title: CDMA TRANSMISSION EMPLOYING CLIPPING FUNCTION



(57) Abstract

A CDMA signal processing circuit (300) includes a summer circuit (302) that receives a plurality of CDMA signals from a plurality of channels (304). The summer circuit (302) combines the plurality of CDMA signals according to a power magnitude value and power direction value associated with each CDMA signal. The summer circuit (302) generates a summed signal (306) that is applied to a clipping circuit (308). The clipping circuit (308) removes a portion of the summed signal (306) outside a desired threshold range and generates a clipped signal (310) therefrom. Digital to analog processing circuits (312 and 314) convert the clipped signal (310) into a half width encoded format. Digital to analog processing circuits (312 and 314) transform the half width encoded clipped signal into analog I and Q signals, respectively. The analog I and Q signals are applied to corresponding filters (316 and 318) prior to transmission.