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(54) RF Transmitter and integrated circuit device

(57) A radio frequency transmitter (400) including at least one digital signal processing module (410, 710) is described. The at least one digital signal processing module (410, 710) is arranged to receive a complex digital input signal, successively apply pre-distortion to the received complex digital input signal with a progressively finer granularity, simultaneously progressively increase a sampling rate of the received complex digital input signal, and output a first, in-phase digital control word and a second, quadrature, digital control word for controlling at least one digital power amplifier component (230) to generate a radio frequency signal representative of the received complex digital input signal.

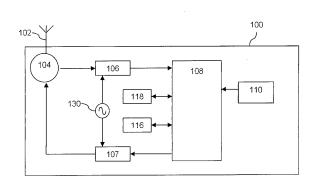


FIG. 1

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