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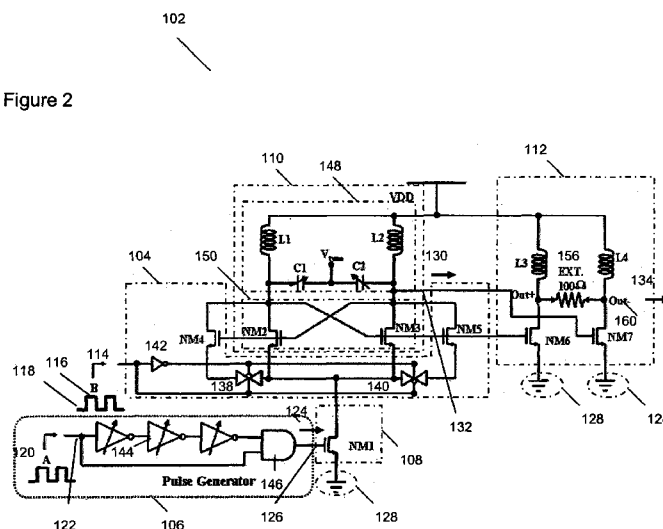
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(54) Title: A TRANSMITTER WITH MODULATION

Figure 2



- (S7) Abstract:** A transmitter with modulation comprising a phase changing stage having a first switch and a second switch coupled to the first switch, a first transistor and a second transistor individually coupled to the each switch. The transmitter is configured to receive a phase changing signal having a first state and a second state. The first switch is configured to operate in an opposing manner to the second switch such that only the first transistor is configured to be turned on in the first state and only the second transistor is configured to be turned on in the second state upon receipt of the phase changing signal by the switches so as to achieve a change in an output phase of the transmitter when the phase changing signal switches from the first state to the second state.