



(54) **ISOLATED DRIVER DEVICE,
CORRESPONDING ELECTRONIC SYSTEM
AND METHOD OF TRANSMITTING A DATA
SIGNAL ACROSS A GALVANIC ISOLATION
BARRIER**

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(57) **ABSTRACT**

In an electronic device, a pulse generator receives an input signal and a clock signal and produces a transmission signal that includes a pulse following each edge of the input signal and of the clock signal. The pulse is low when the input signal is low and high when the input signal is high. A transmitter produces, at its two output nodes, a replica of the transmission signal and the complement of the transmission signal. A galvanic isolation barrier is coupled to the output nodes of the transmitter and produces a differential signal that includes a positive spike at each rising edge of the transmission signal and a negative spike at each falling edge of the transmission signal.

