

TRANSMITTER/RECEIVER CIRCUIT AND METHOD THEREFOR

Abstract of the Disclosure

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A transmitter/receiver circuit (19) for interfacing digital signals having logic levels of different voltage ranges. The transmitter/receiver circuit comprises a transmitter circuit (21), a resistive load (23), and a receiver circuit (22). The transmitter circuit (21) having a first input (24) which receives a digital signal of a first voltage range, a second input (26) which receives a control signal, a first terminal (27) and a second terminal (28). The resistive load (23) couples the first (27) and second (28) outputs together. The transmitter circuit (21) generates complementary digital signals at the first terminal (27) and the second terminal (28) having logic levels of a second voltage range. The transmitter circuit (21) can be disabled by the control signal. The receiver circuit (22) has a first and a second input coupled to the first (27) and second (28) terminals respectively and has an output (29). The receiver circuit (22) senses a voltage difference between the first (27) and second (28) terminals and generates a digital signal of the first voltage range at the output (29).

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FIG. 2 accompanies this abstract.