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(54) Title: DYNAMIC LANE, VOLTAGE AND FREQUENCY ADJUSTMENT FOR SERIAL INTERCONNECT

(57) Abstract: A method is described which comprises propagating electronic signals within circuitry comprising a transmitter to select a number of the transmitter's lanes, set a speed for each of the lanes, and set at least a driver supply voltage for each of the lanes. The number and speed determine the transmitter's bandwidth. Power consumed by the transmitter as a consequence of the lane number selection, lane speed setting and driver supply voltage is less than a power that would have been consumed by the transmitter had another available combination of lane number, lane speed and supply voltage been effected for the transmitter.



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