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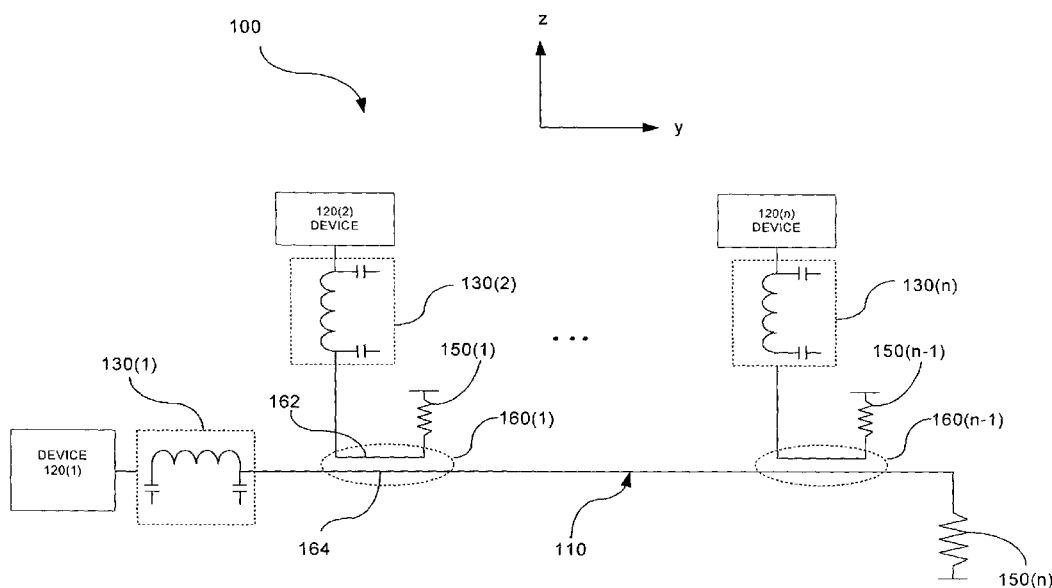
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(54) Title: SYMBOL-BASED SIGNALING FOR AN ELECTROMAGNETICALLY-COUPLED BUS SYSTEM



(57) **Abstract:** The present invention provides a mechanism for supporting high digital bandwidth in a multi-drop bus system. A first device of the system encodes multiple bit in a symbol and drives the encoded symbol onto the multi-drop bus. Multiple receiving devices are linked to the bus through electromagnetic couplers. A receiving device samples the encoded symbol through the electromagnetic coupler and recovers the encoded bits from the sampled symbol.