

[illegible]

(b) Schematic diagram of the receiver and integrator blocks. The receiver block (orange) consists of a series of coupled inductors and resistors, with mutual inductances M_1^{sy} to M_n^{sy} and series resistances SI_1 to SI_n . It is connected to a differential pair of inductors labeled IH/RQ . The integrator block (green) consists of a series of coupled inductors and resistors, with mutual inductances J_{dr} to J_{jtl} and series inductances L_{di} to L_{di} . It is connected to a differential pair of inductors labeled DI . The output of the integrator is labeled DR/NR . The diagram also shows current sources I_{de} and I_{dr} , and a current I_{di} flowing through the integrator block.