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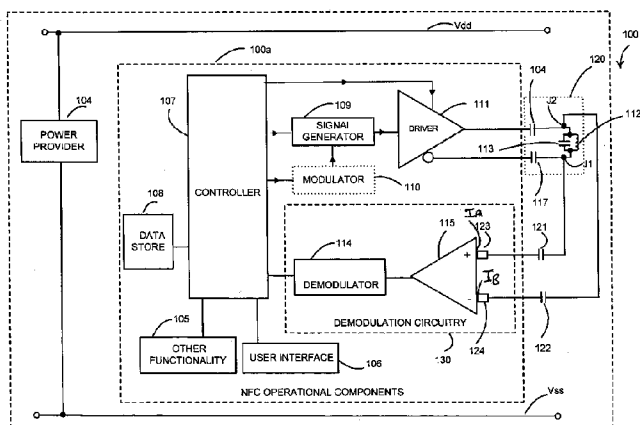


FIG. 2

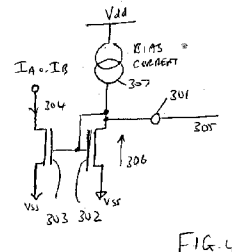


FIG. 4

(57) Abstract: A near field RF communicator has an antenna circuit (120) to receive a modulated radio frequency signal by inductive coupling and demodulation circuitry (130 or 131) to extract the modulation from a received modulated radio frequency signal inductively coupled to the antenna circuit. The demodulation circuitry has a virtual earth input comprising a current mirror. The demodulation circuitry may be formed by an amplifier (115 or 116) and a demodulator (114) coupled to an output of the amplifier. The amplifier may be a single input amplifier (116) coupled to an output of the antenna circuit or may be a differential amplifier (115) having first and second inputs to receive the modulated radio frequency signal from first and second outputs of the antenna circuit, with each amplifier input providing a virtual earth input.

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 91/01531 A (INDALA CORP [US]) 7 February 1991 (1991-02-07) abstract page 13, line 29 - page 14, line 9 page 15, line 11 - line 24 claim 17 figure 5	1-15
X	US 2005/062472 A1 (BOTTOMLEY PAUL ARTHUR [US] BOTTOMLEY PAUL [US]) 24 March 2005 (2005-03-24) abstract paragraphs [0008], [0126], [0129], [0146] - [0148]	1-15
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	EP 1 693 957 A (RENEAS TECH CORP [JP]) 23 August 2006 (2006-08-23) abstract figures 2,6,5 paragraphs [0022], [0048] - [0054], [0066] - [0071], [0073] - [0081]	1-15

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