



(19) **United States**

(12) **Patent Application Publication**
Uehara et al.

(10) **Pub. No.: US 2011/0217945 A1**

(43) **Pub. Date: Sep. 8, 2011**

(54) **DUAL CARRIER AMPLIFIER CIRCUITS AND METHODS**

(52) **U.S. Cl. 455/341; 327/355; 455/334**

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(57) **ABSTRACT**

(21) **Appl. No.: 13/038,778**

In one embodiment, the present disclosure includes a circuit comprising first and second transconductance stages that receive an RF signal and a current combiner circuit. The current combiner circuit couples current from the first transconductance stage to (i) one of a first output path or a second output path or (ii) both the first output path and second output path. The current combiner circuit decouples current from the second transconductance stage from both the first output path and second output path when the first transconductance stage couples current to one of the first output path or the second output path. The current combiner circuit couples current from the second transconductance stage to both the first output path and the second output path when the first transconductance stage couples current to both the first output path and the second output path.

(22) **Filed: Mar. 2, 2011**

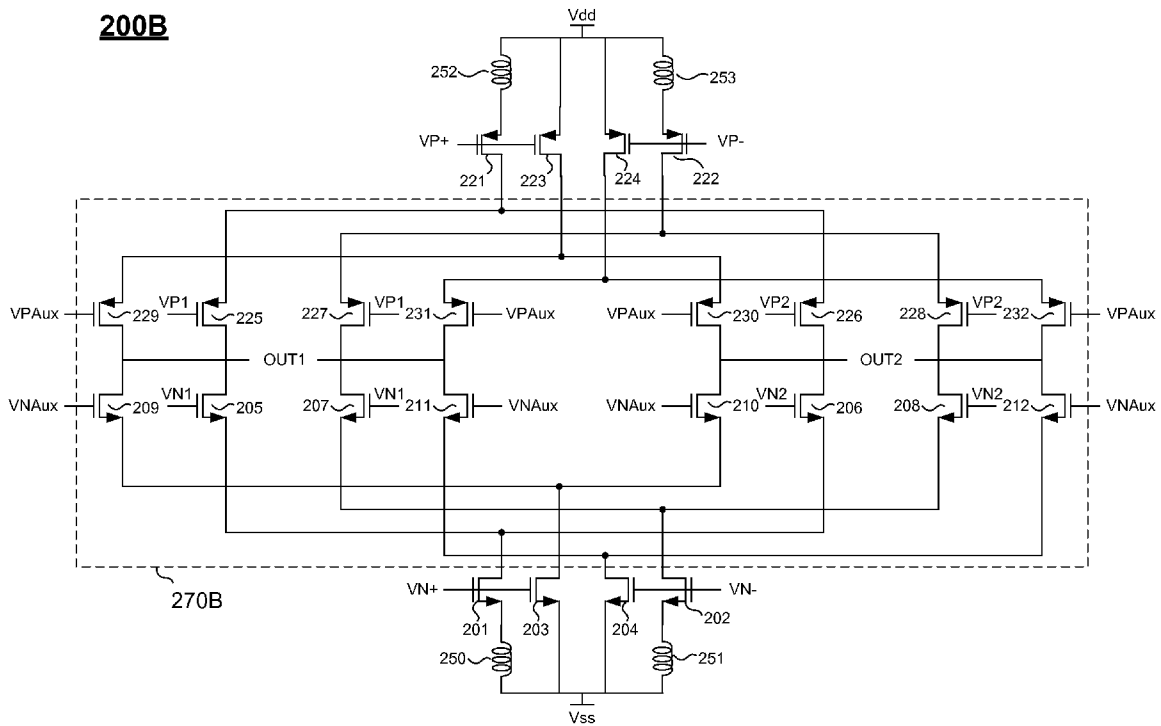
Related U.S. Application Data

(60) **Provisional application No. 61/309,810, filed on Mar. 2, 2010.**

Publication Classification

(51) **Int. Cl.**
H04B 1/16 (2006.01)
G06G 7/12 (2006.01)
H03F 1/22 (2006.01)

200B



100

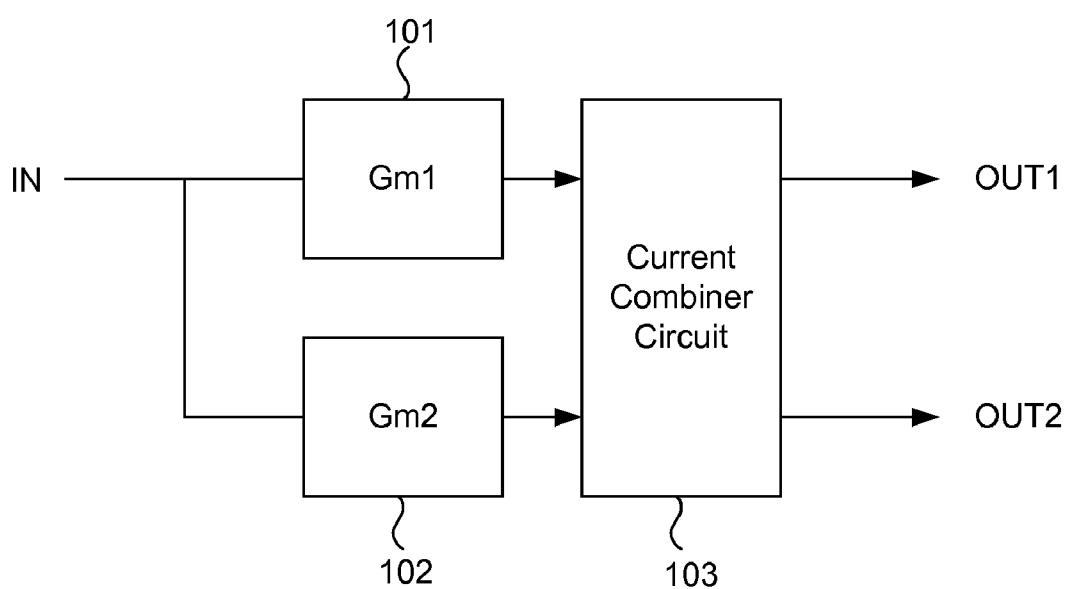


Fig. 1

200A

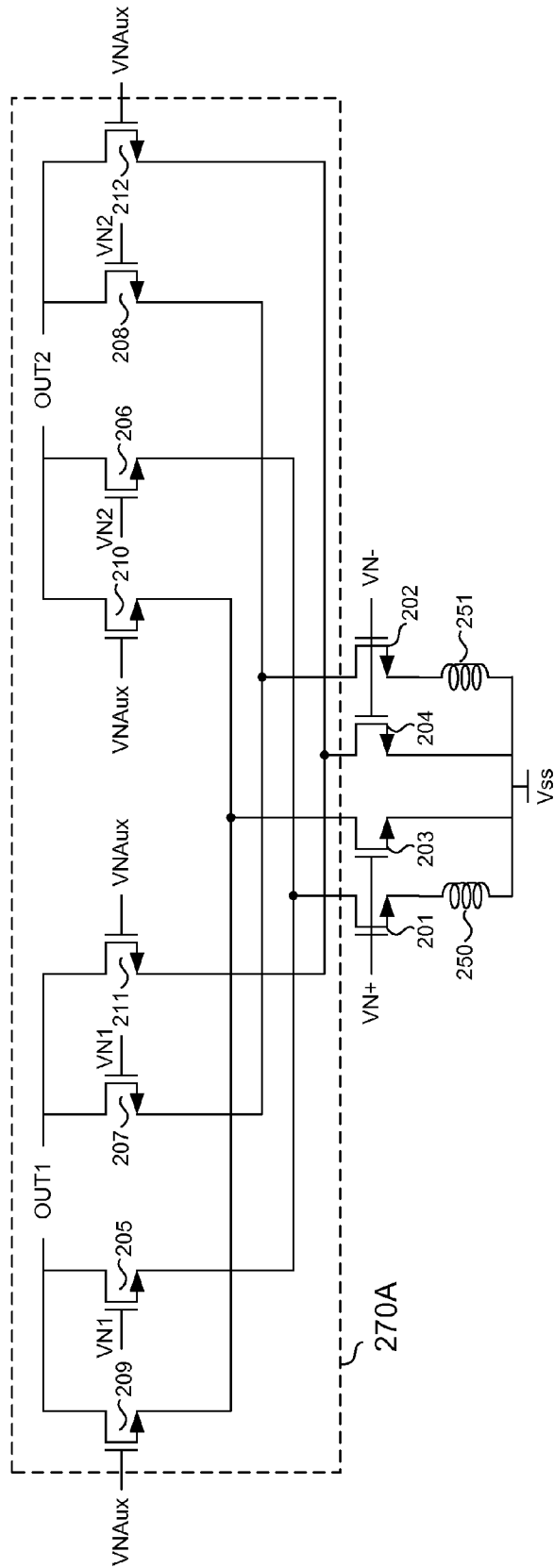


Fig. 2A

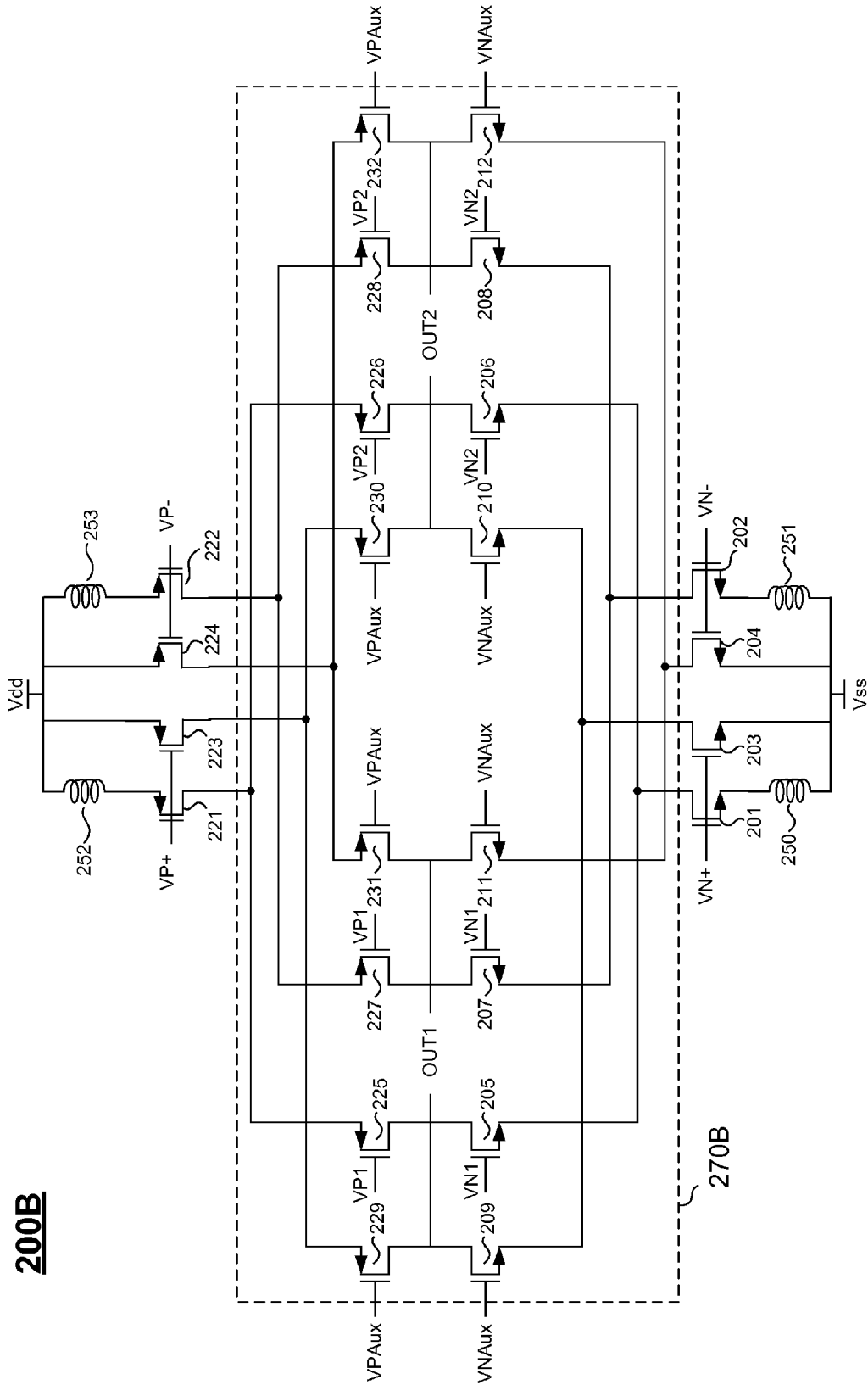


Fig. 2B

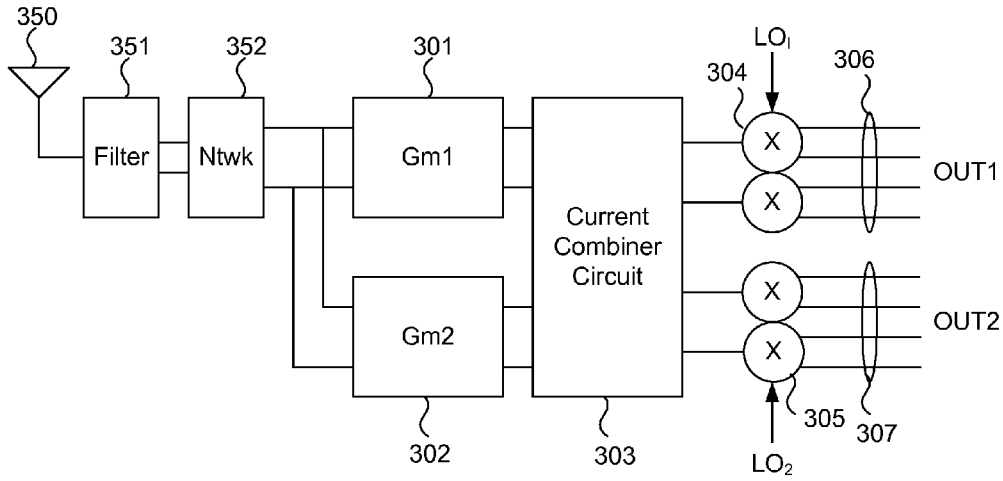


Fig. 3

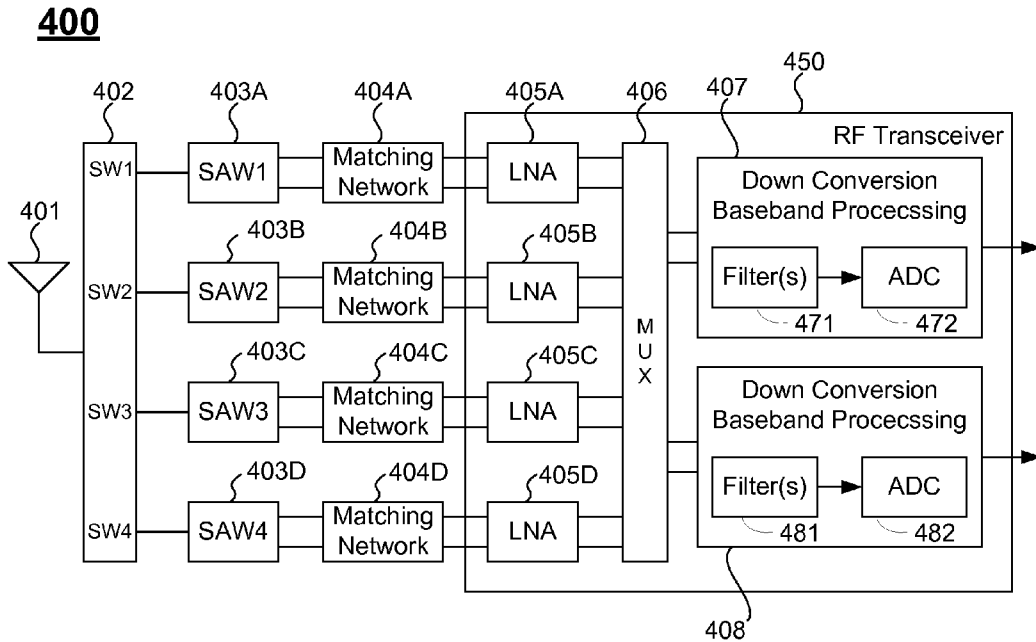


Fig. 4

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