

**CURRENT LIMITING CIRCUIT AND METHOD THAT MAY BE SHARED
AMONG DIFFERENT CIRCUITRY**

ABSTRACT OF THE DISCLOSURE

A circuit (10) and method for limiting output currents in a circuit having at least two output drivers (12,14) with outputs (16,18) on which first and second out-of-phase output currents are produced includes a current source (34) and a first current mirror (28). The first current mirror (28) has a first side (30) connected to sense a current in the output drivers and has a second side (32) connected to the current source (34). A magnitude of the current in the output drivers (12,14) produces a proportional voltage at a connection (52) between the second side (32) and the current source (34). First and second control transistors (40,42) are each connected to provide a control current to control respective output currents of the drivers (12,14), the first and second control transistors (40,42) being connected to receive an input signal (46) to pass the control current. A circuit (48) is provided for modifying the control current to the first and second control transistors (40,42) according to the proportional voltage.

Figure 1