

**APPARATUS AND METHOD FOR FREQUENCY
COMPENSATING AN OPERATIONAL AMPLIFIER**

5

Abstract of the Disclosure

A transimpedance circuit (201), and method therefor,
frequency compensates an operational amplifier. The
transimpedance circuit (201) has an input terminal (205) coupled
10 to receive an amplified signal (205) and an output terminal (206)
operative to produce a buffered amplified signal. The input
terminal (205) of the transimpedance circuit (201) presents a
resistive input impedance to the amplified signal at a frequency
substantially near an open loop unity gain frequency of the
15 operational amplifier (200). The amplified signal is buffered from
a complex impedance of an input terminal (206) of an output
driver (103). The present invention advantageously provides wide
bandwidth and stable operation with loads having low complex
impedance.

20

