

'074 Patent - Claim 1

1. A voltage regulator, comprising:

- [a] an operational amplifier;**
- [b] a gm enhanced current buffer driver;**
- [c] a biasing circuit coupled to the current buffer driver to set a biasing ratio for gm-boost of the current buffer driver;**
- [d] an enable/disable function to enable/disable the biasing circuit for reducing standby current;**
- [e] an output power driver, wherein the current buffer driver is coupled between the operational amplifier and the output power driver;**
- [f] a current feedback circuit coupled between the output power driver and the current buffer driver; and**
- [g] a feedback loop coupled between the output power driver and the operational amplifier.**