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(54) **DUAL-MODE LINE DRIVER FOR ETHERNET APPLICATIONS**

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(57) **ABSTRACT**

A driver includes an operational amplifier which includes a first amplifier input coupled to a first driver input, a second amplifier input coupled to a second driver input, a first amplifier output, a second amplifier output, a third amplifier output and a fourth amplifier output. The first amplifier output is coupled to the first driver output and the third amplifier output is coupled to the second driver output in a voltage-mode operation. The second amplifier output is coupled to the first driver output and the fourth amplifier output is coupled to the second driver output in a current-mode operation.

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