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**TASCHWER et al.**(10) **Pub. No.: US 2022/0352858 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **OPERATIONAL AMPLIFIER AND METHOD  
FOR OPERATING AN OPERATIONAL  
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The present invention relates to an operational amplifier, including: a symmetrical differential amplifier; a local common mode feedback circuit coupled to the symmetrical differential amplifier; a tail current source circuit including at least one first transistor and a second transistor and a current source resistor. The tail current source circuit is configured to adjust a control voltage of the first transistor by using the second transistor such that a predetermined reference current flows through a load path of the first transistor.

