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(54) LEVEL SHIFTER, SEMICONDUCTOR DEVICE, SWITCHING POWER SUPPLY, AND LIGHT EMITTING DEVICE

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(57) ABSTRACT

A level shifter includes a current output amplifier configured to output a first output current and a second output current through first and second output terminals thereof, respectively, a first resistor configured to be connected between each of an inverted input terminal and the first output terminal of the current output amplifier and an application terminal of a ground potential, and a second resistor configured to be connected between the second output terminal of the current output amplifier and an application terminal of a negative potential lower than the ground potential. A first analog signal referenced to the ground potential is accepted at a non-inverted input terminal of the current output amplifier, and a second analog signal referenced to the negative potential is outputted through one terminal of the second resistor.

