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## (54) POSITIVE AND NEGATIVE CHARGE PUMP CONTROL

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(57) **ABSTRACT**

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A voltage supply circuit and a method for controlling a voltage supply circuit are provided. The voltage supply circuit includes a positive charge pump stage that generates a positive voltage and a negative charge pump stage that generates a negative voltage. The voltage supply circuit also includes a control stage that compares a voltage representative of the negative voltage with a reference voltage and causes a slope of the positive voltage to decrease when the voltage representative of the negative voltage exceeds the reference voltage.

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