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(54) CHARGE PUMP CELL WITH IMPROVED LATCH-UP IMMUNITY AND CHARGE PUMPS INCLUDING THE SAME, AND RELATED SYSTEMS, METHODS AND **DEVICES**

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(57)ABSTRACT

A charge pump cell for a charge pump is disclosed that may exhibit improved latch-up immunity. A circuit may be arranged at the charge pump cell to apply a voltage to a bulk contact of a charge transfer transistor of such a charge pump cell at least partially responsive to a relationship between a voltage at a first terminal of the charge transfer transistor and a voltage at a second terminal of the charge transfer transistor. A charge pump including one or more such charge pump cells may include a control loop that is configured to control a pumping signal at least partially responsive to a state of an output voltage of the charge pump.

