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LEE et al.(10) **Pub. No.: US 2023/0231469 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **ADAPTIVE SOFT START AND SOFT STOP
DEVICE FOR CONVERTER****Publication Classification**(71) Applicant: **Power LSI Co.ltd**, Daejeon (KR)(72) Inventors: **Won Tae LEE**, Bucheon-si,
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ABSTRACT

The present invention relates to an adaptive soft start and soft stop device for a converter, and more particularly, provides an adaptive soft start and soft stop device for a converter which controls a final output voltage to be increased or decreased with a predetermined gradient by increasing a duty at a predetermined rate or increases a frequency during a start period using an input voltage V_{in} and an output voltage V_o and decreasing the duty at a predetermined rate or decreases a frequency during a stop period.

