



(19) **United States**

(12) **Patent Application Publication**
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(10) **Pub. No.: US 2024/0178702 A1**

(43) **Pub. Date: May 30, 2024**

(54) **DYNAMIC BOOST WITH CONSTANT
CURRENT MODE**

Publication Classification

(51) **Int. Cl.**
H02J 50/12 (2006.01)

(52) **U.S. Cl.**
CPC **H02J 50/12** (2016.02)

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(57) **ABSTRACT**

A system and apparatuses for dynamic boost with constant current mode are provided. According a specific embodiment, the present invention provides an apparatus comprising a first circuit that receives a wireless power signal and generates alternating current signals, and a second circuit that rectifies the input signal to produce a direct current output. The second circuit, equipped with low-side and high-side transistors, dynamically boosts the output signal and is capable of entering a constant current mode, maintaining transistor activation for a specified duration.

(21) Appl. No.: **18/311,502**

(22) Filed: **May 3, 2023**

Related U.S. Application Data

(60) Provisional application No. 63/385,060, filed on Nov. 28, 2022.

