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(12) **United States Patent**
Marshall

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(54) **INLINE POWER DEVICE DETECTION**

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H03K 3/00 (2006.01)

(52) **U.S. Cl.** **307/106; 307/105**

(58) **Field of Classification Search** **307/105, 307/106**

See application file for complete search history.

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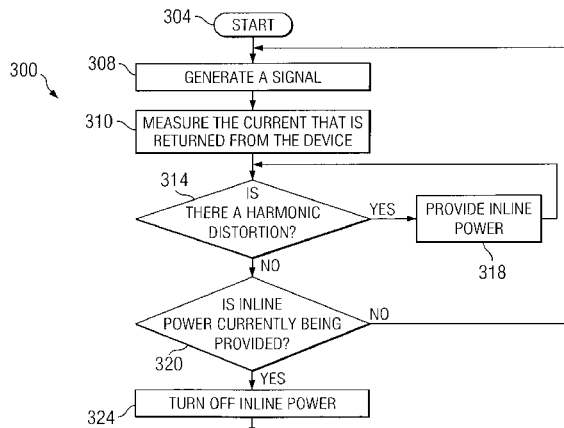
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(57) **ABSTRACT**

According to one embodiment of the invention, a method for providing power to a device coupled to a communications switch through a data line is provided. The method includes determining that the device includes a diode. The method also includes providing power to the device in response to the determination.

22 Claims, 3 Drawing Sheets



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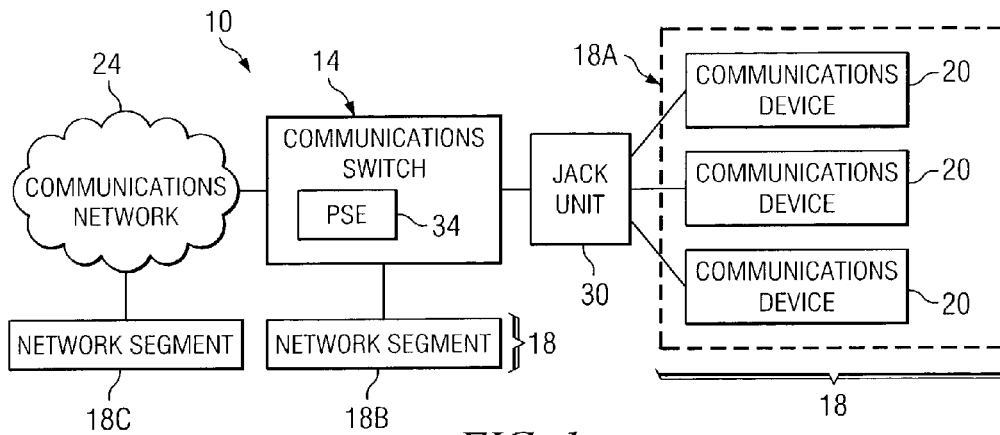


FIG. 1

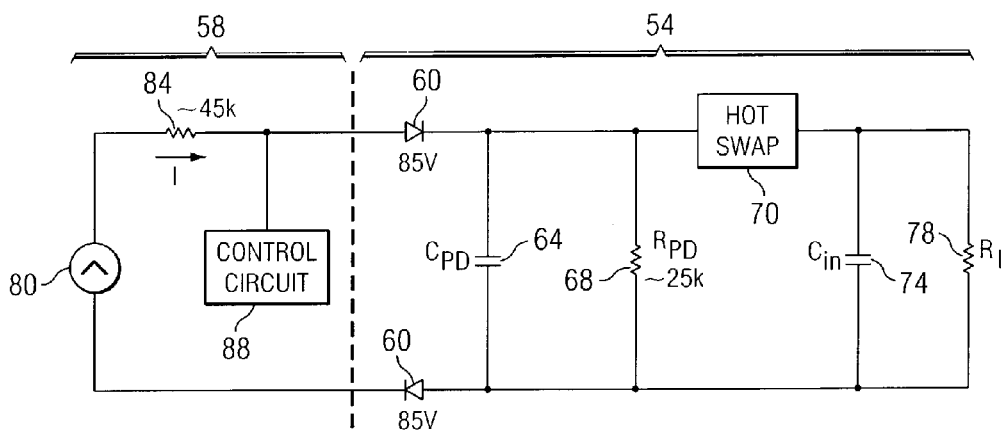


FIG. 2A

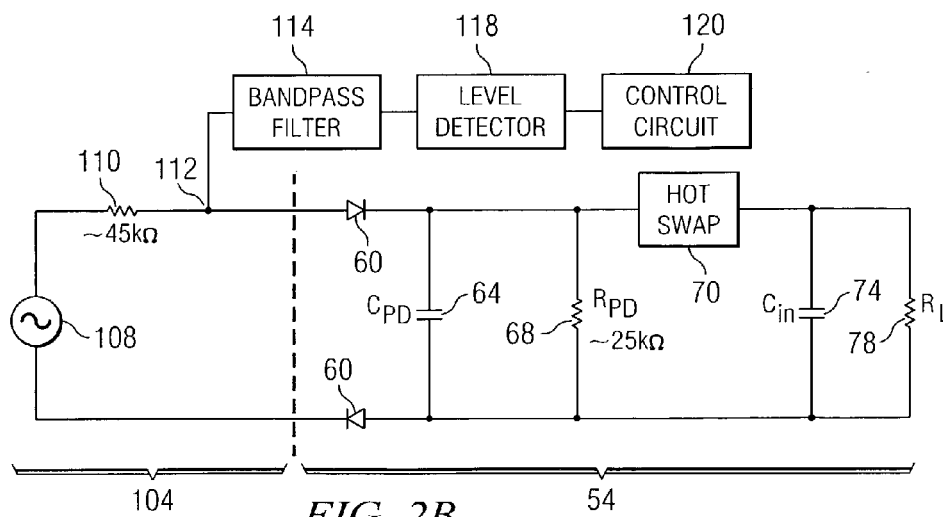


FIG. 2B

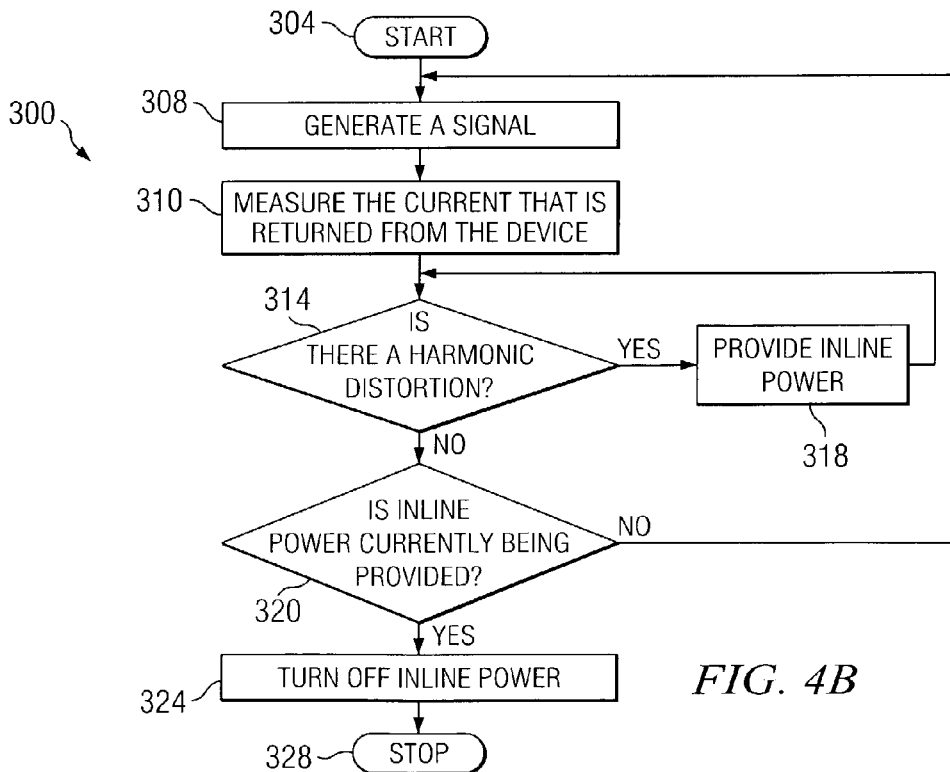
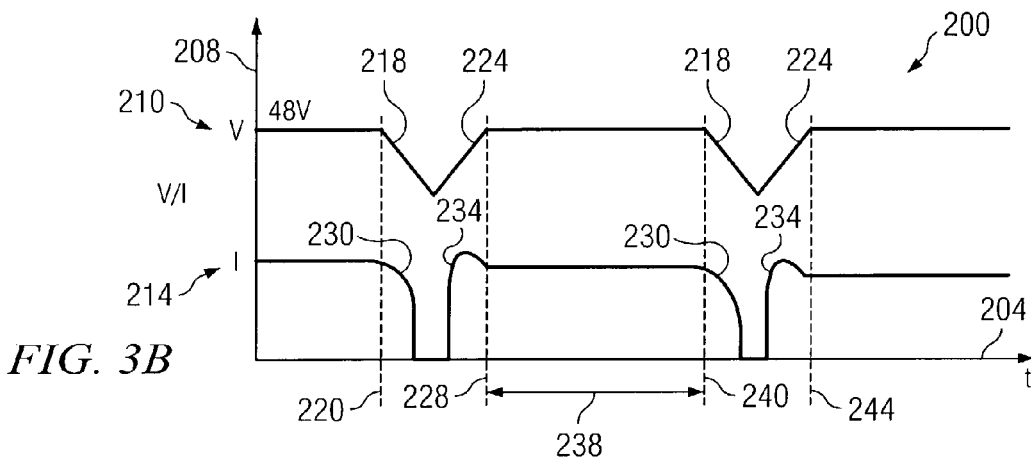
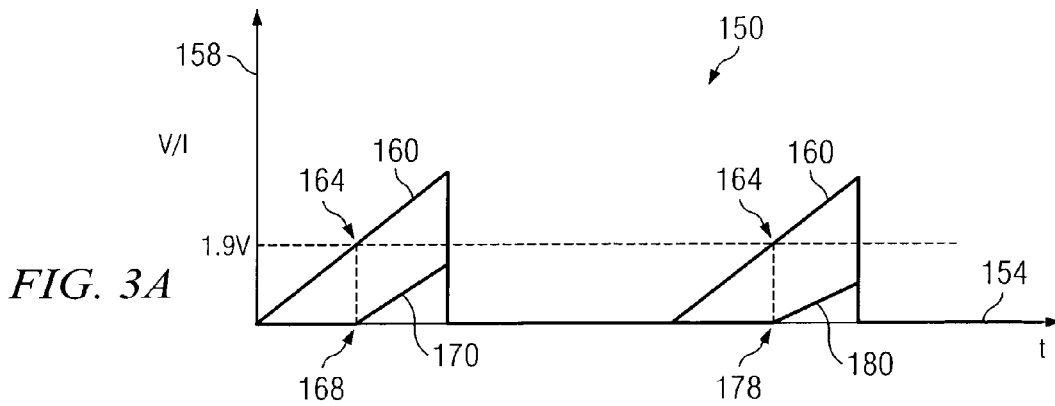


FIG. 4B

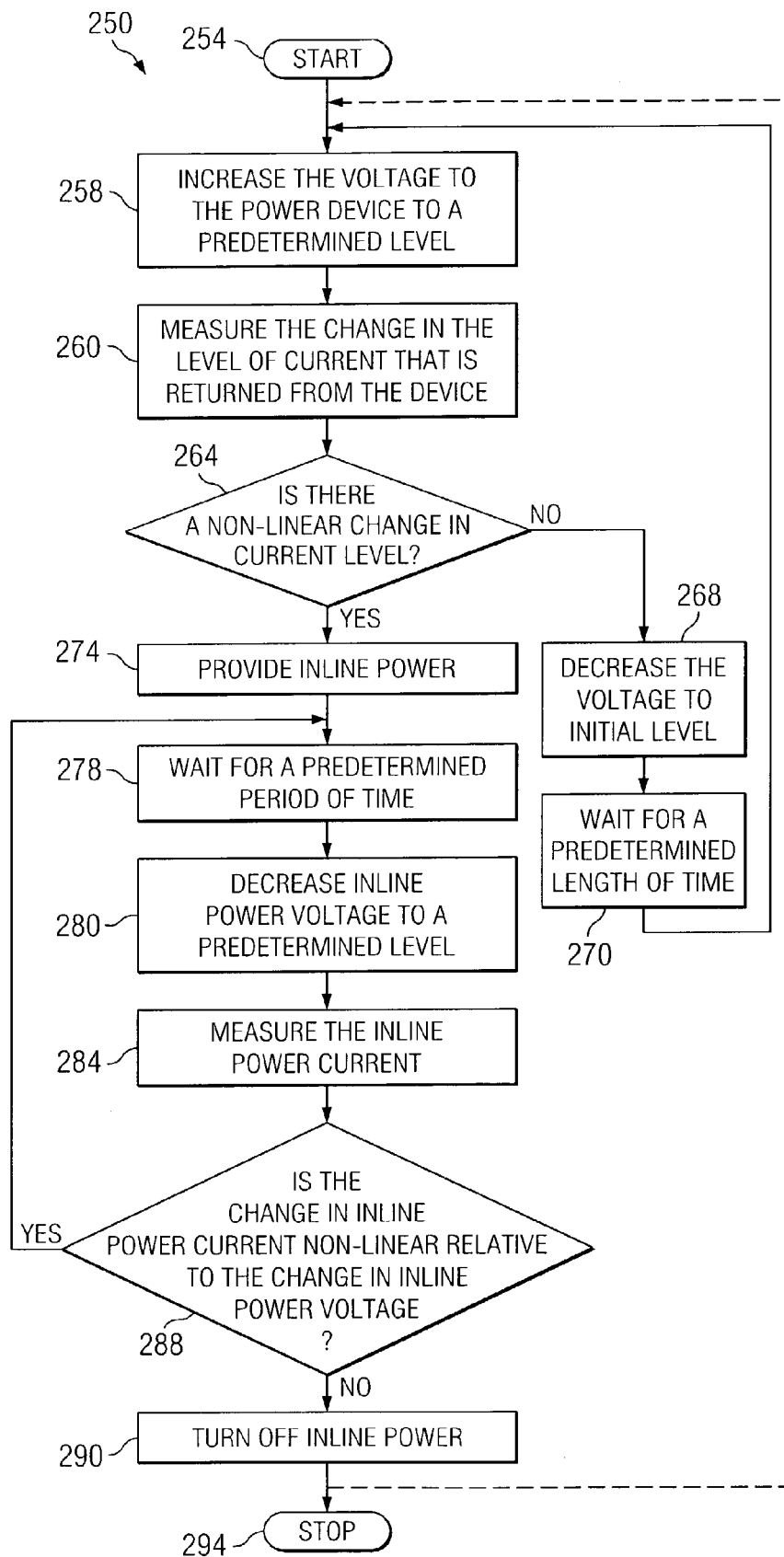


FIG. 11

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