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(54) Title: CURRENT BOOSTER

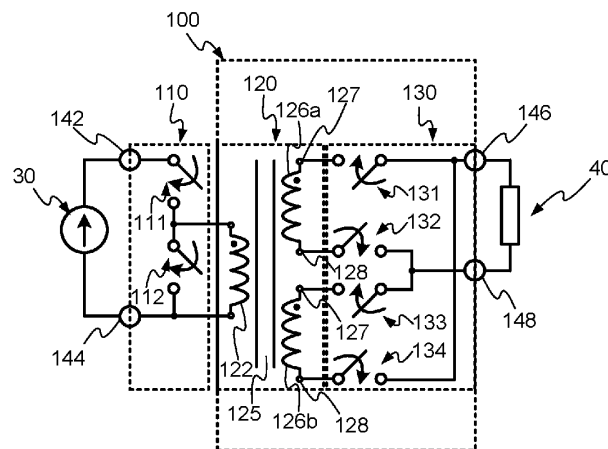


Fig. 10

(57) **Abstract:** This disclosure presents a current booster circuitry (100) for providing a boosted current from a power source (30) to a load (40). The current booster circuitry (100) comprises a transformer (120), at least two input terminals (142, 144) for operatively connecting the power source (30) to at least one primary winding (122) of the transformer (120), and at least two output terminals (146, 148) for operatively connecting the load (40) in parallel to at least two secondary windings (126a, 126b) of the transformer (120). Further to this, the current booster (100) comprises a secondary side electric circuitry (130) comprising a plurality of secondary switches (131, 132, 133, 134) arranged for controlling a direction of the boosted current and arranged to connect the secondary windings (126a, 126b) to at least two output terminals (146, 148) with respective polarities of the secondary windings (126a, 126b) mutually reversed. In addition to this, a printed board assembly, a current booster assembly, a current booster system and an equipment are presented.

[Continued on next page]

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