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MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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- (54) Title:** AN AUTOMATICALLY BALANCED MICRO-PULSED IONIZING BLOWER

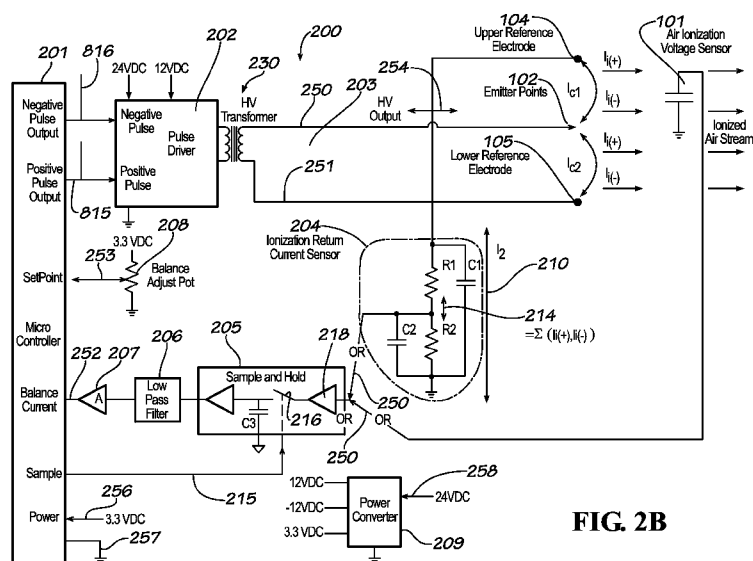


FIG. 2B

- (57) Abstract:** In one embodiment of the invention, a method of automatically balancing ionized air stream created in bipolar corona discharge is provided. The method comprises: providing an air moving device with at least one ion emitter and reference electrode connected to a micro-pulsed AC power source, and a control system with at least one ion balance monitor and corona discharge adjustment control; generating variable polarity groups of short duration ionizing micro-pulses: wherein said micro-pulses are predominantly asymmetric in amplitude and duration of both polarity voltages and have a magnitude of at least one polarity ionizing pulses exceed the corona threshold.