

1 / 14

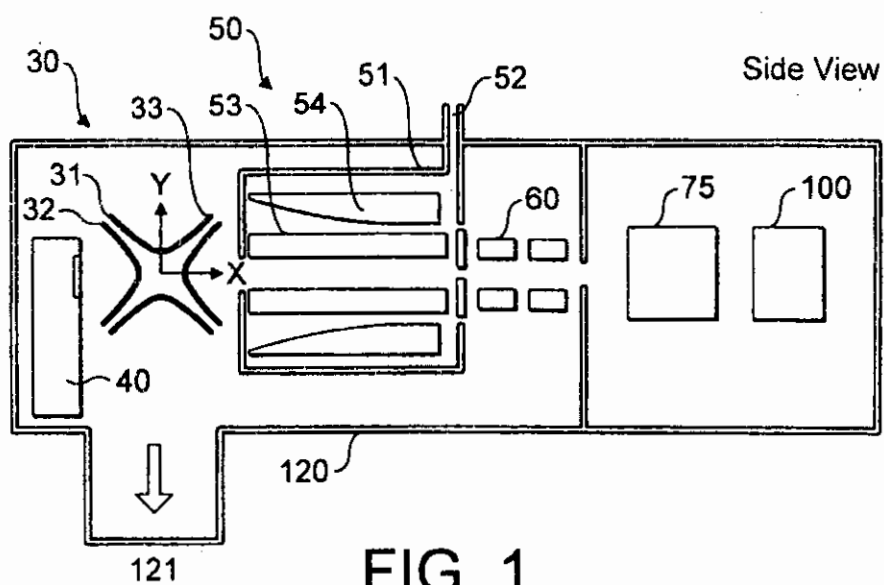
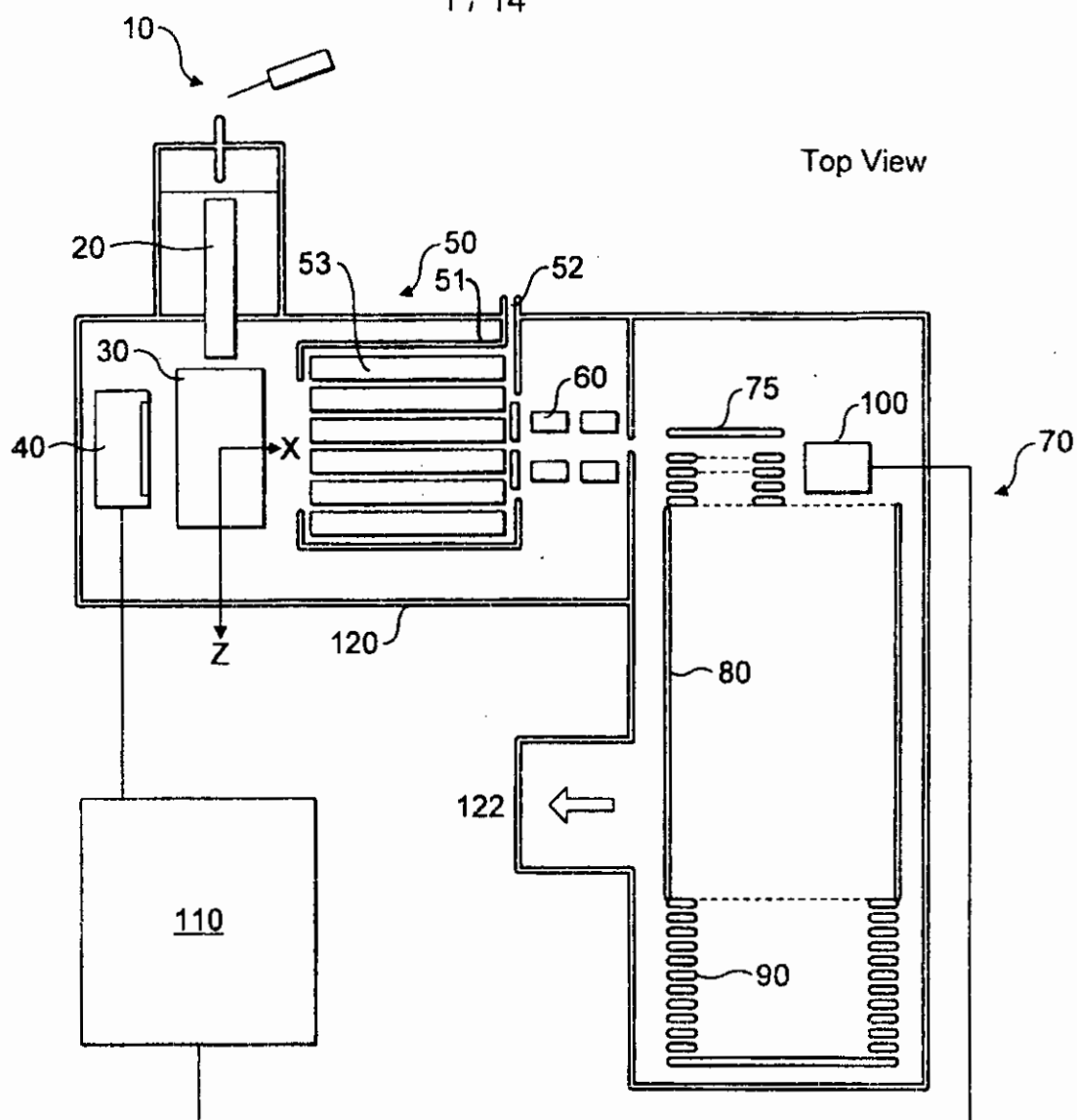


FIG. 1

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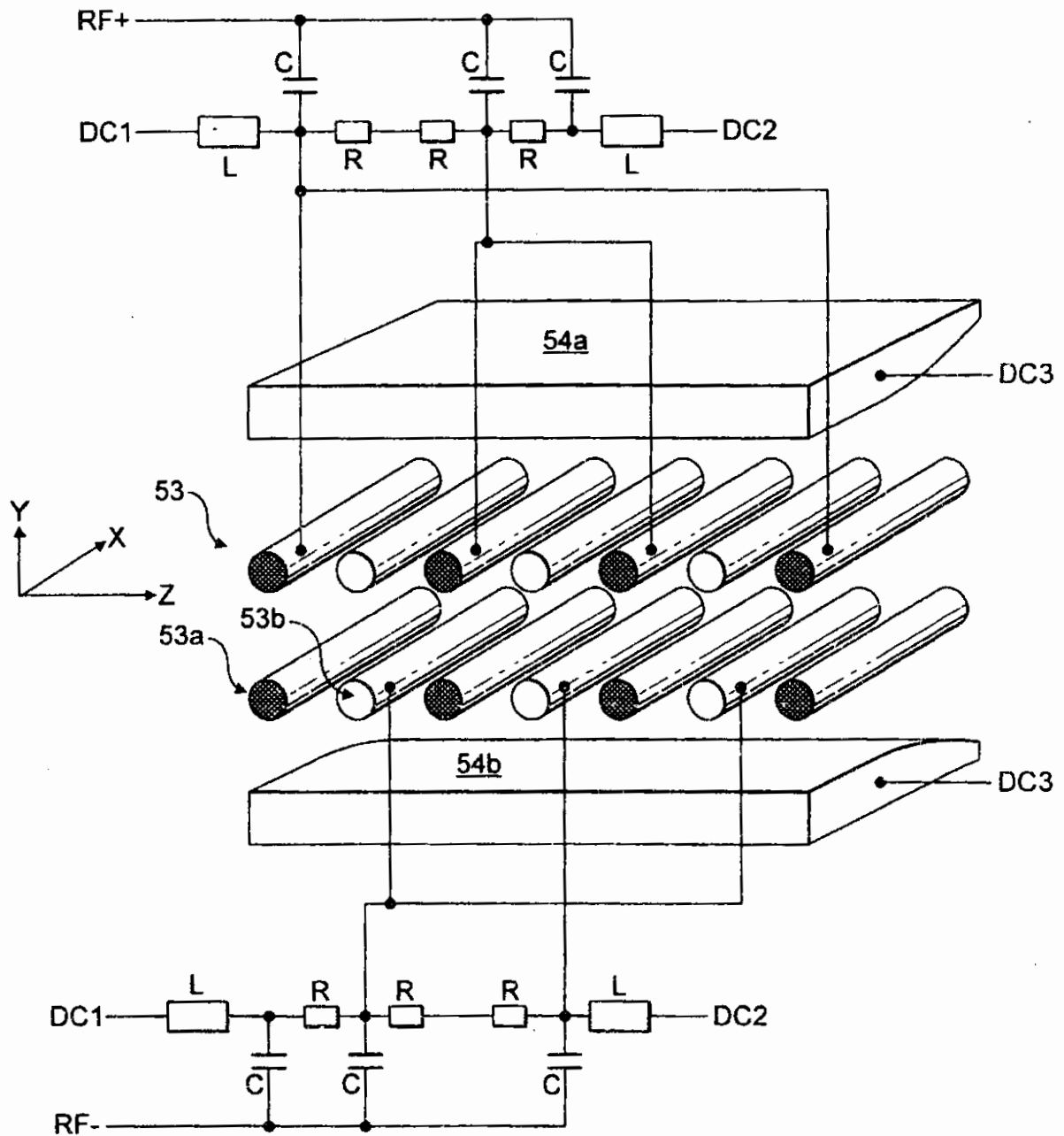


FIG. 2

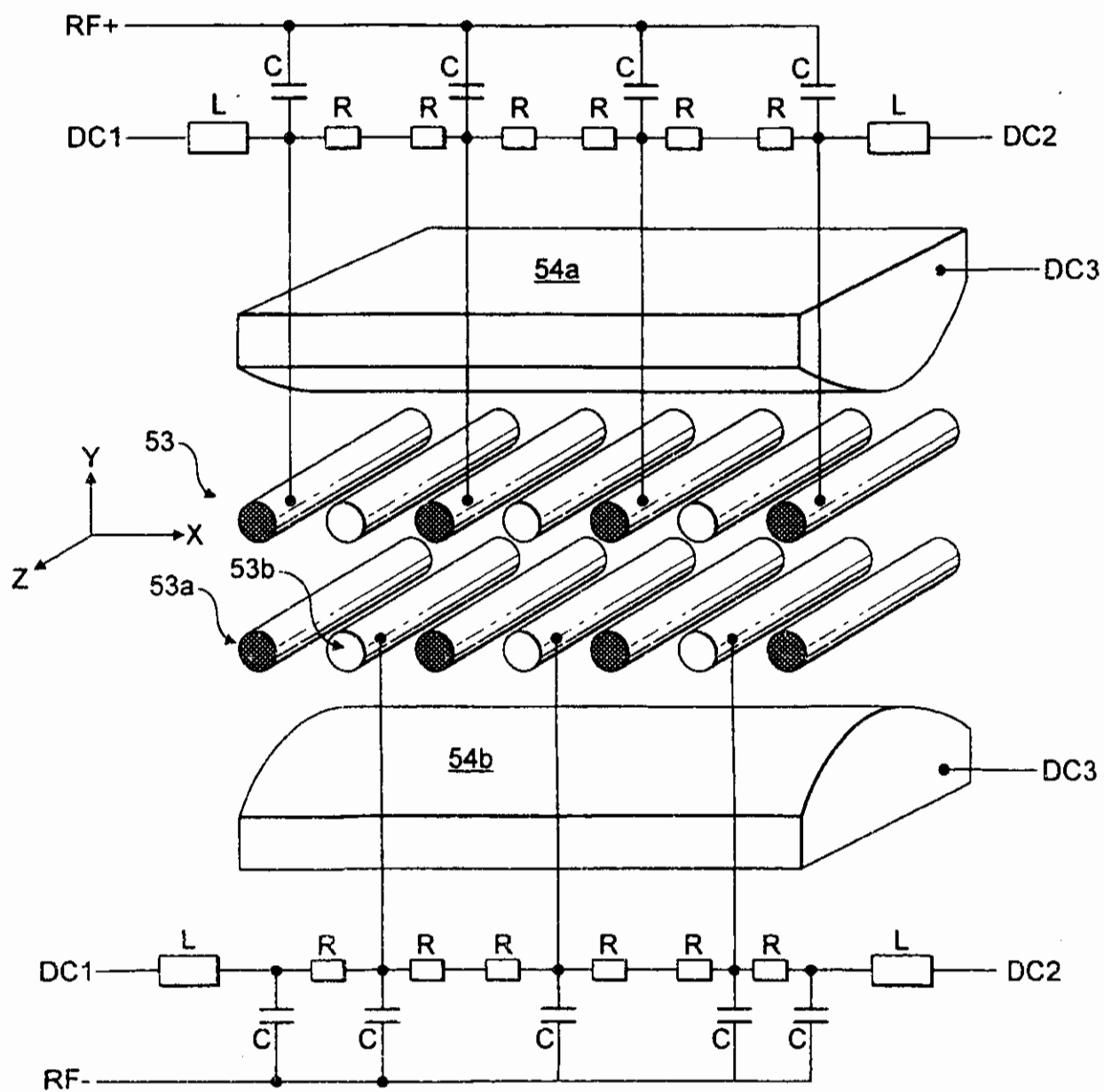


FIG. 3

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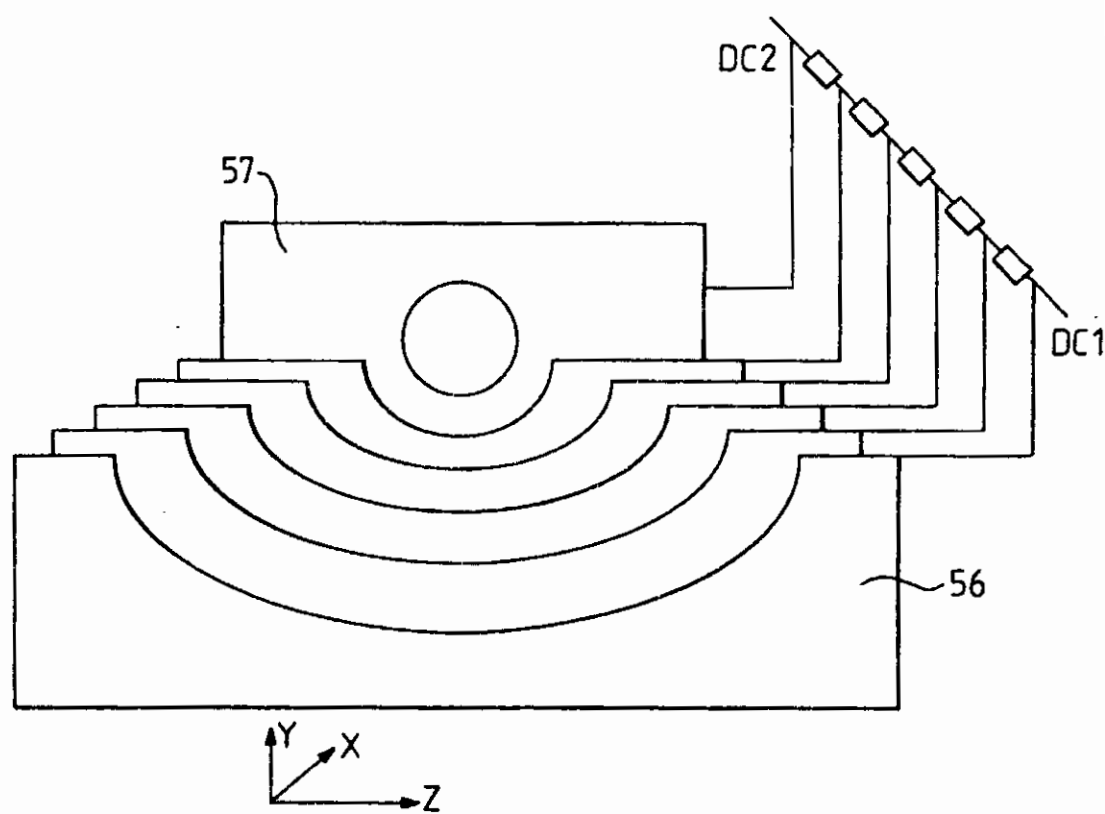


FIG. 4a

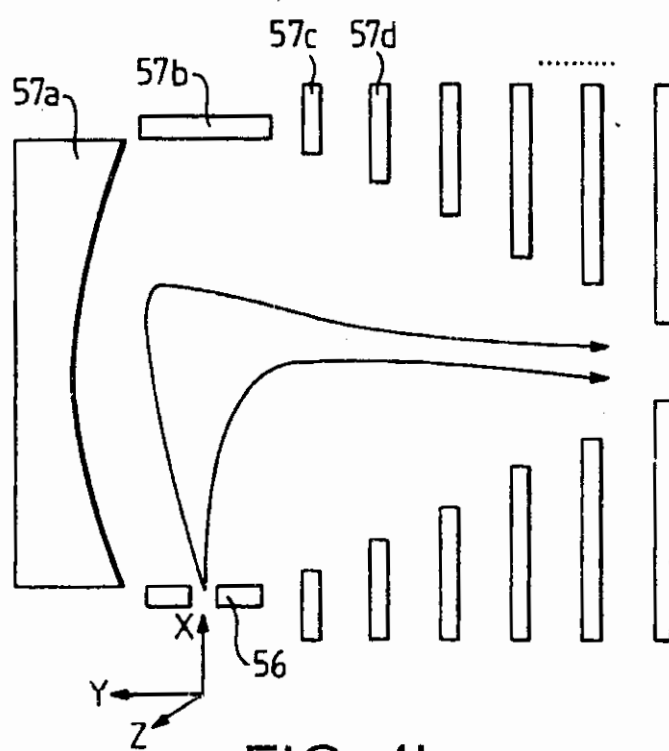


FIG. 4b

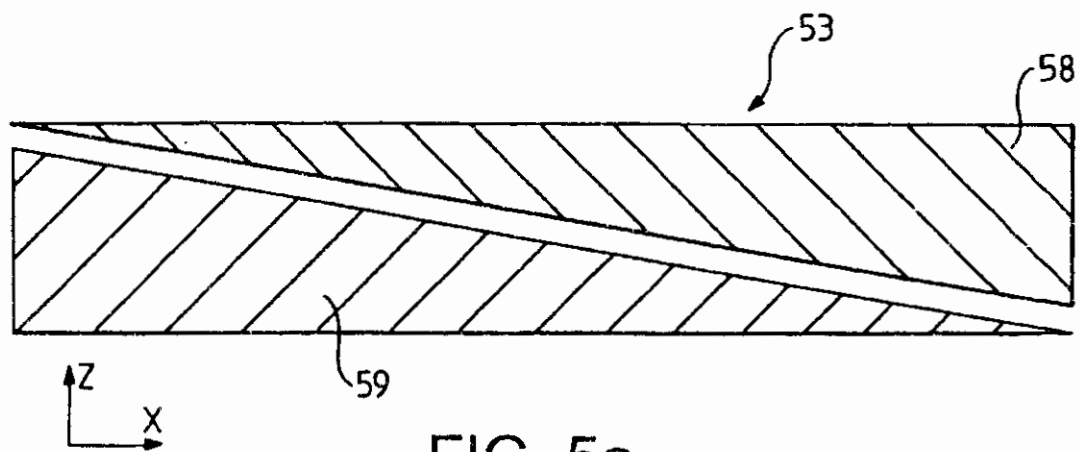


FIG. 5a

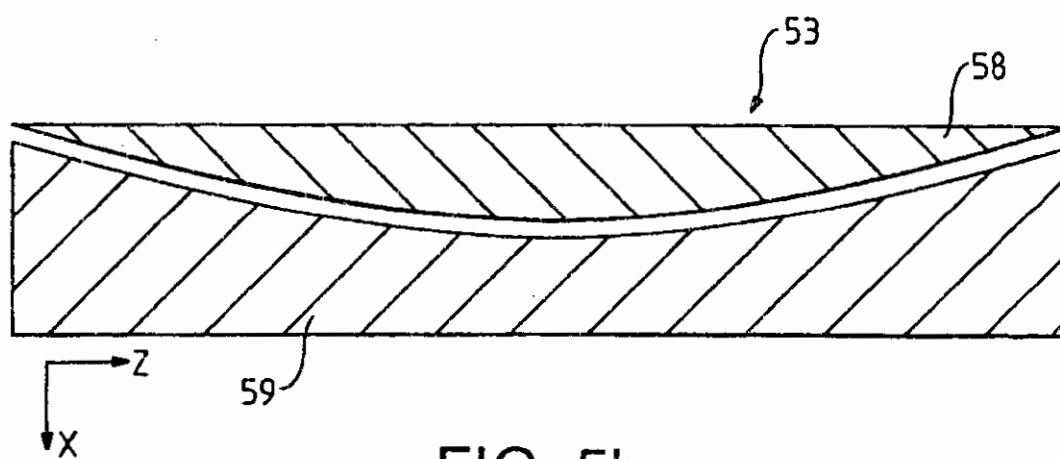


FIG. 5b

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Partitioning of Rod Electrodes to Allow For x Field gradient

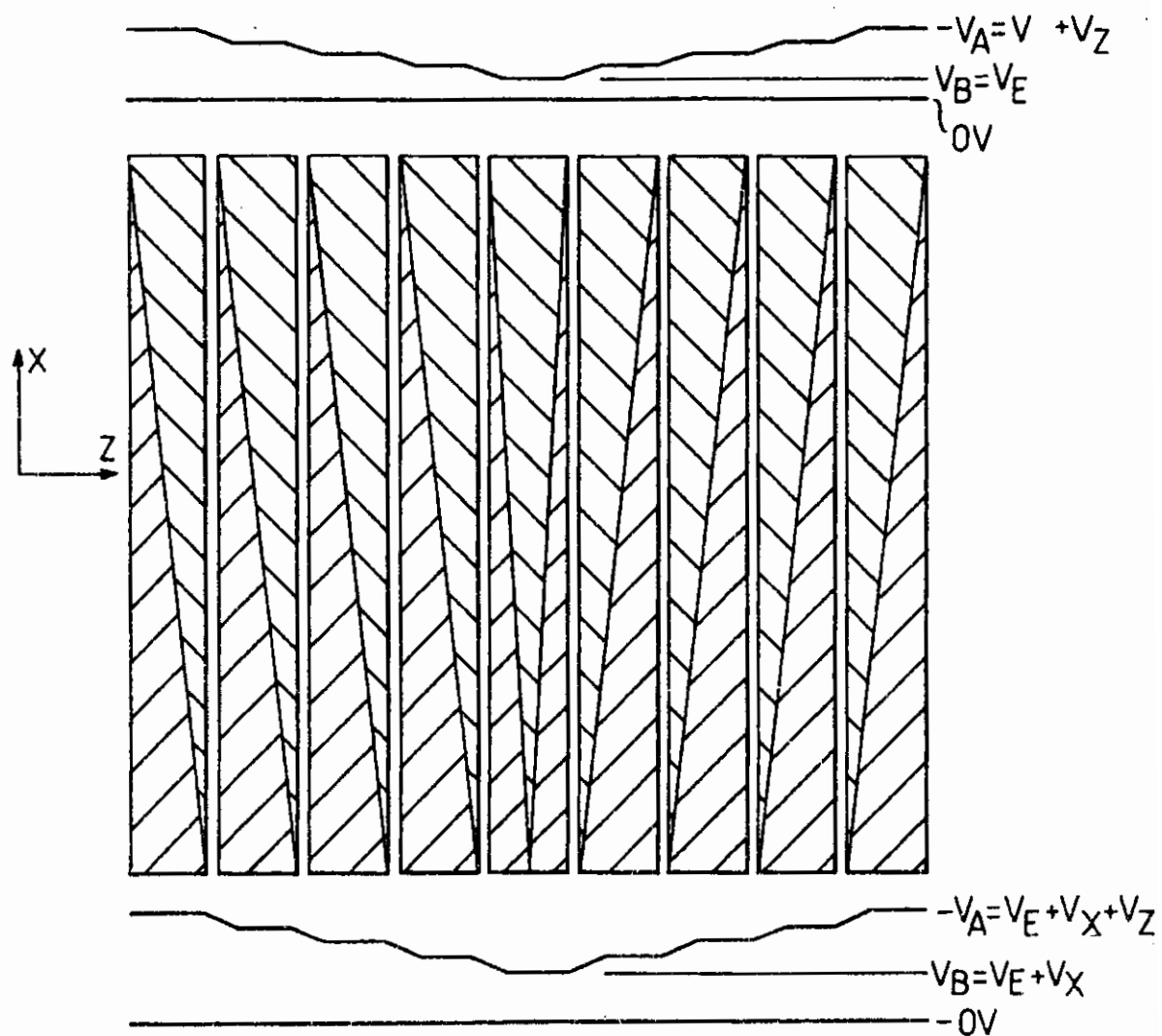


FIG. 6a

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Ion Entrance and Exit From Planar Ion Guide

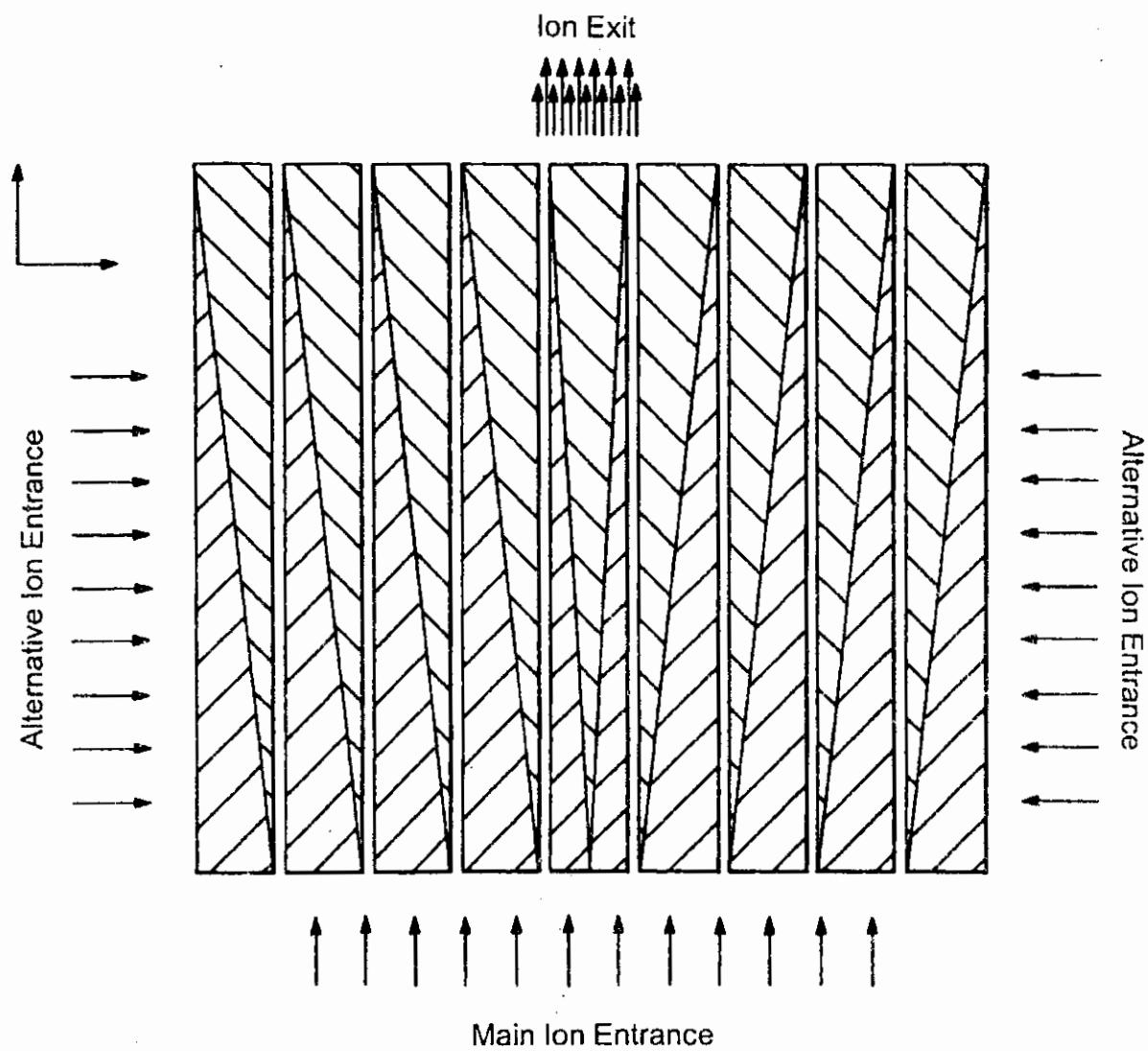


FIG. 6b

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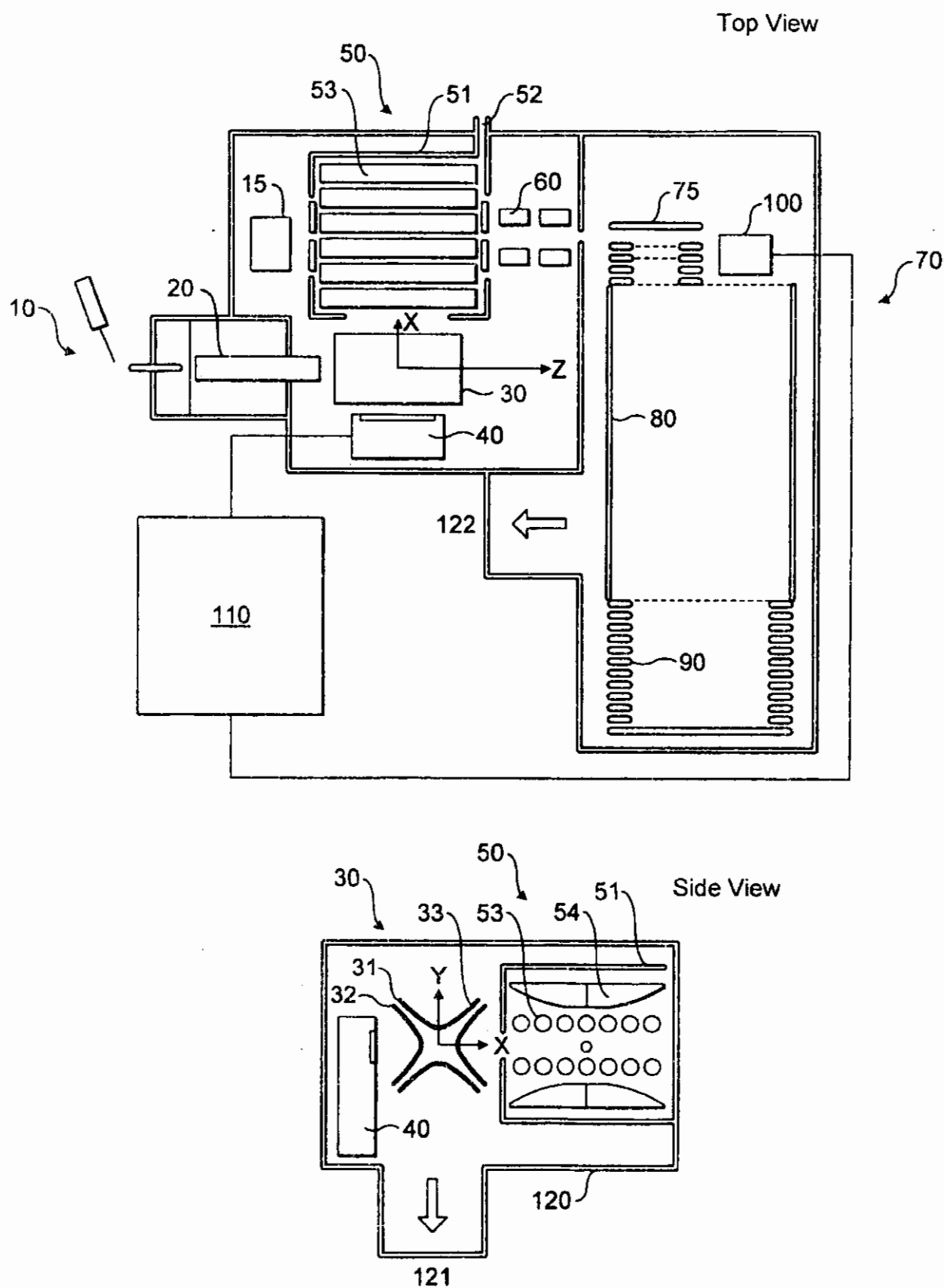


FIG. 7

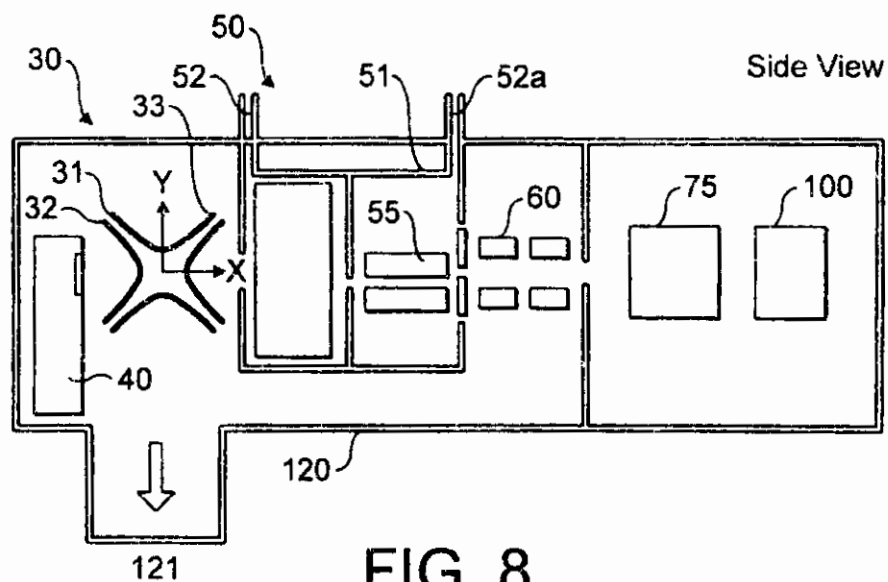
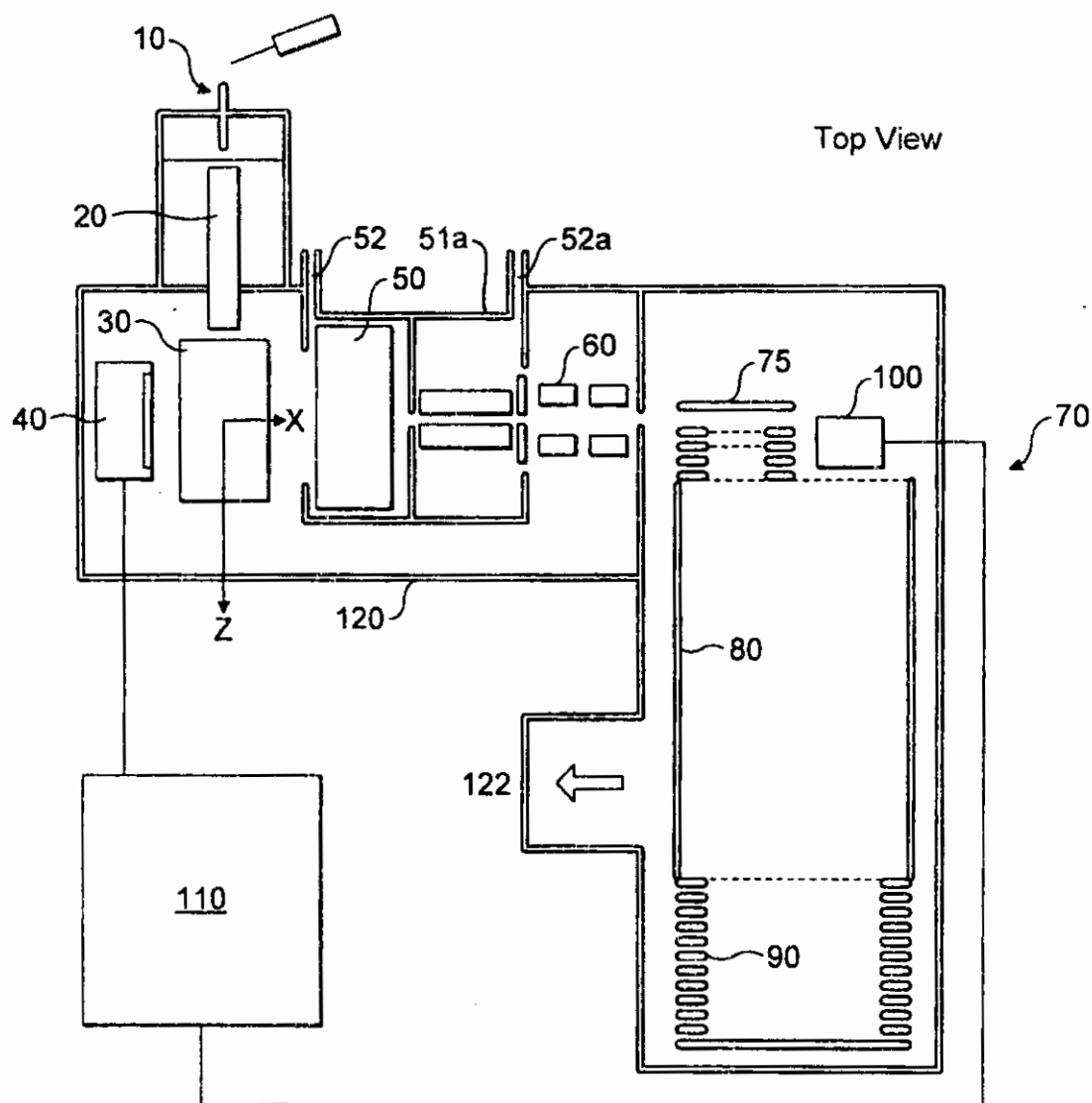


FIG. 8

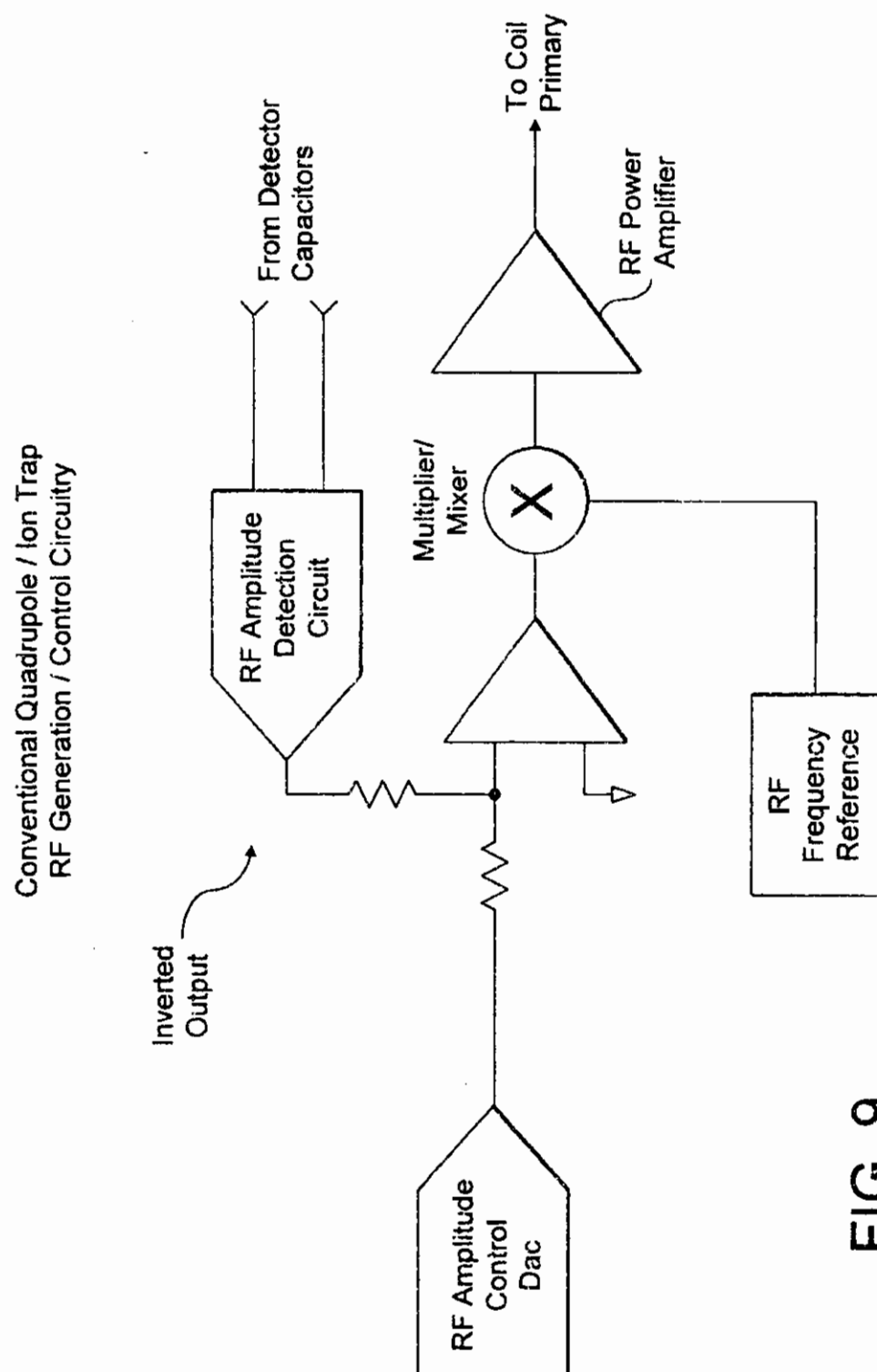


FIG. 9

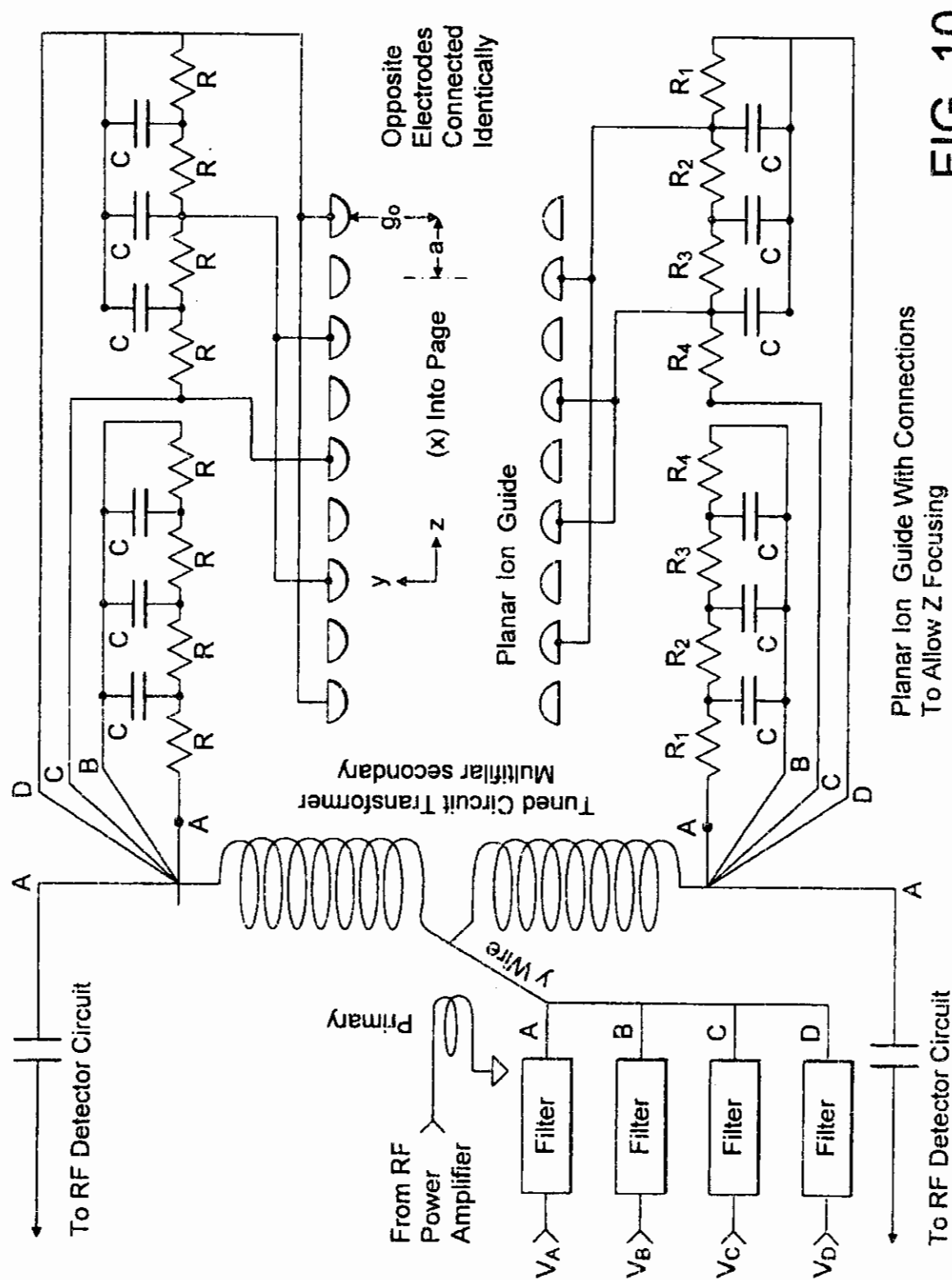
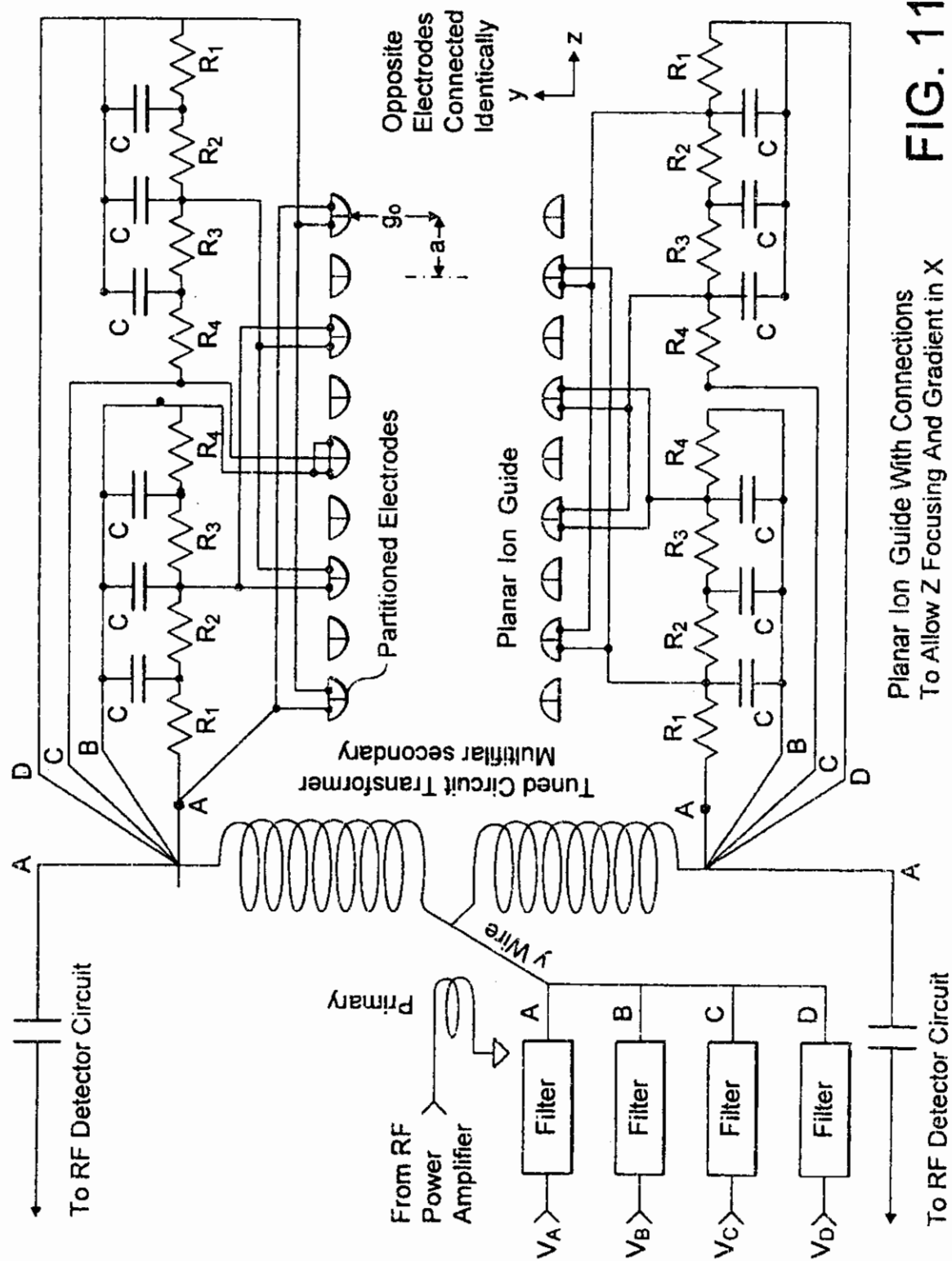


FIG. 10



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Circuitry To Create Need DC Voltages For Planar Ion Guide

Estimated Voltages

$$V_Z \approx 4 \text{ Volts}$$

$$V_X \sim 0.5 \text{ Volts or Less}$$

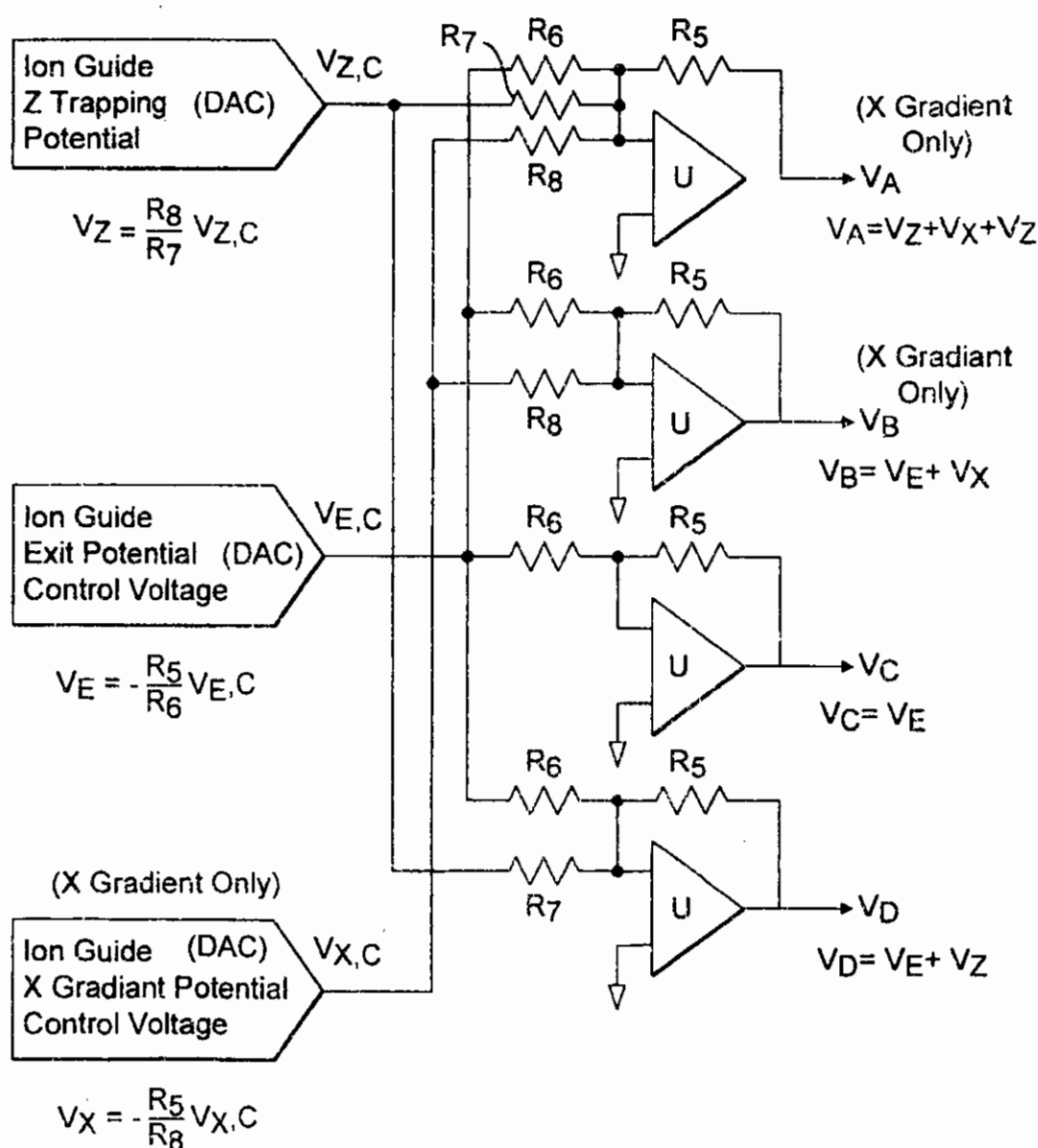


FIG. 12

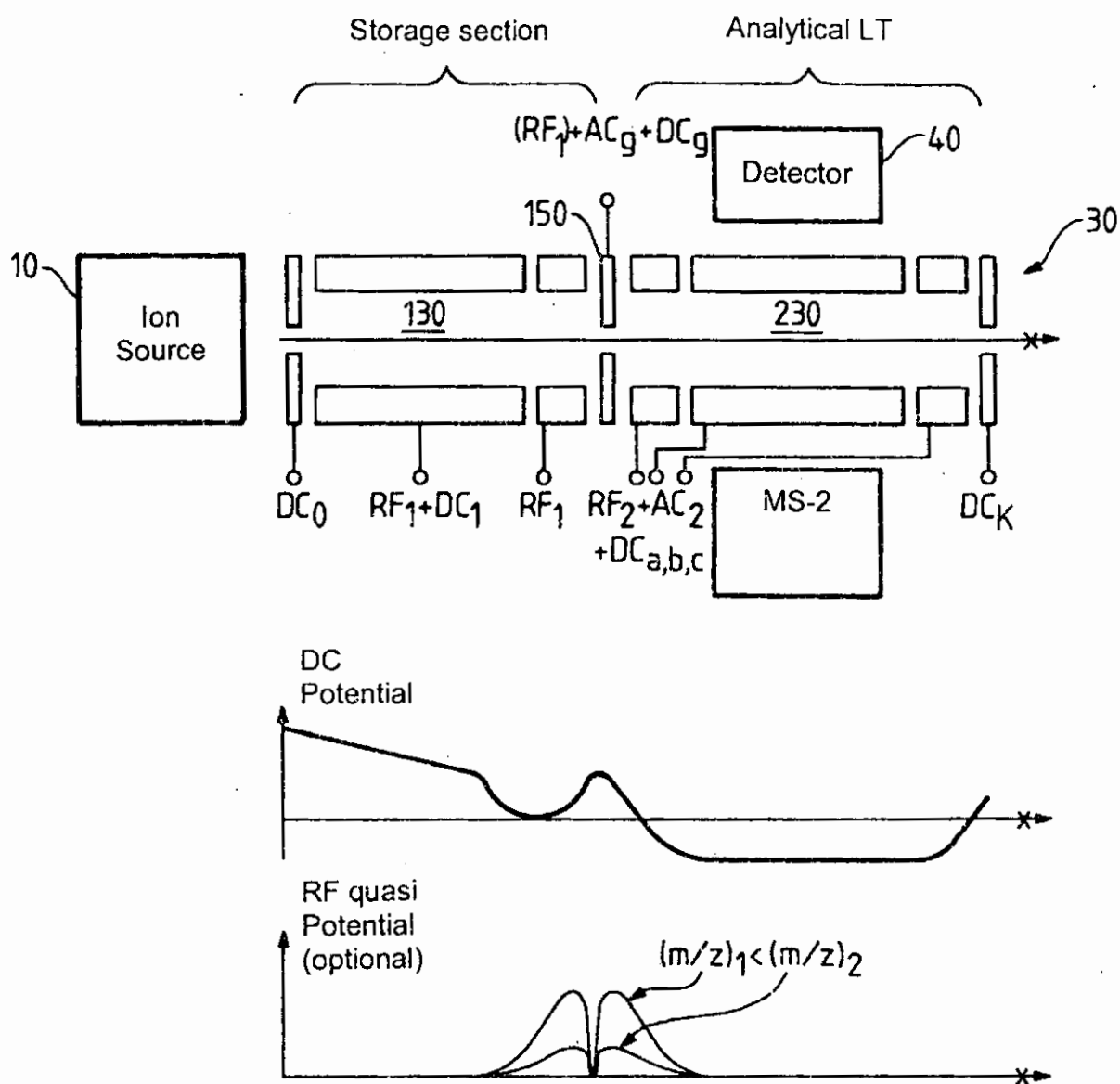


FIG. 13