

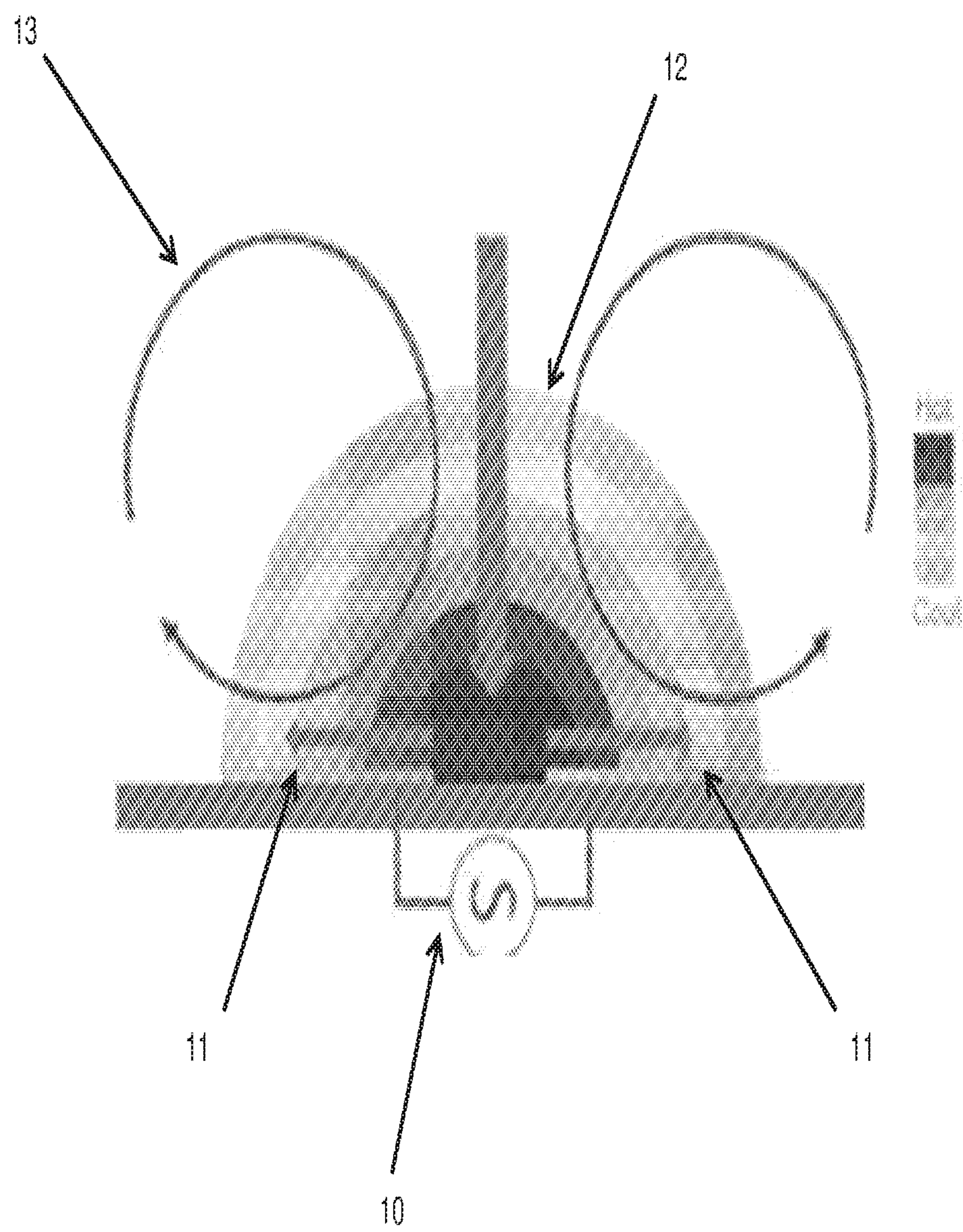


FIG. 1

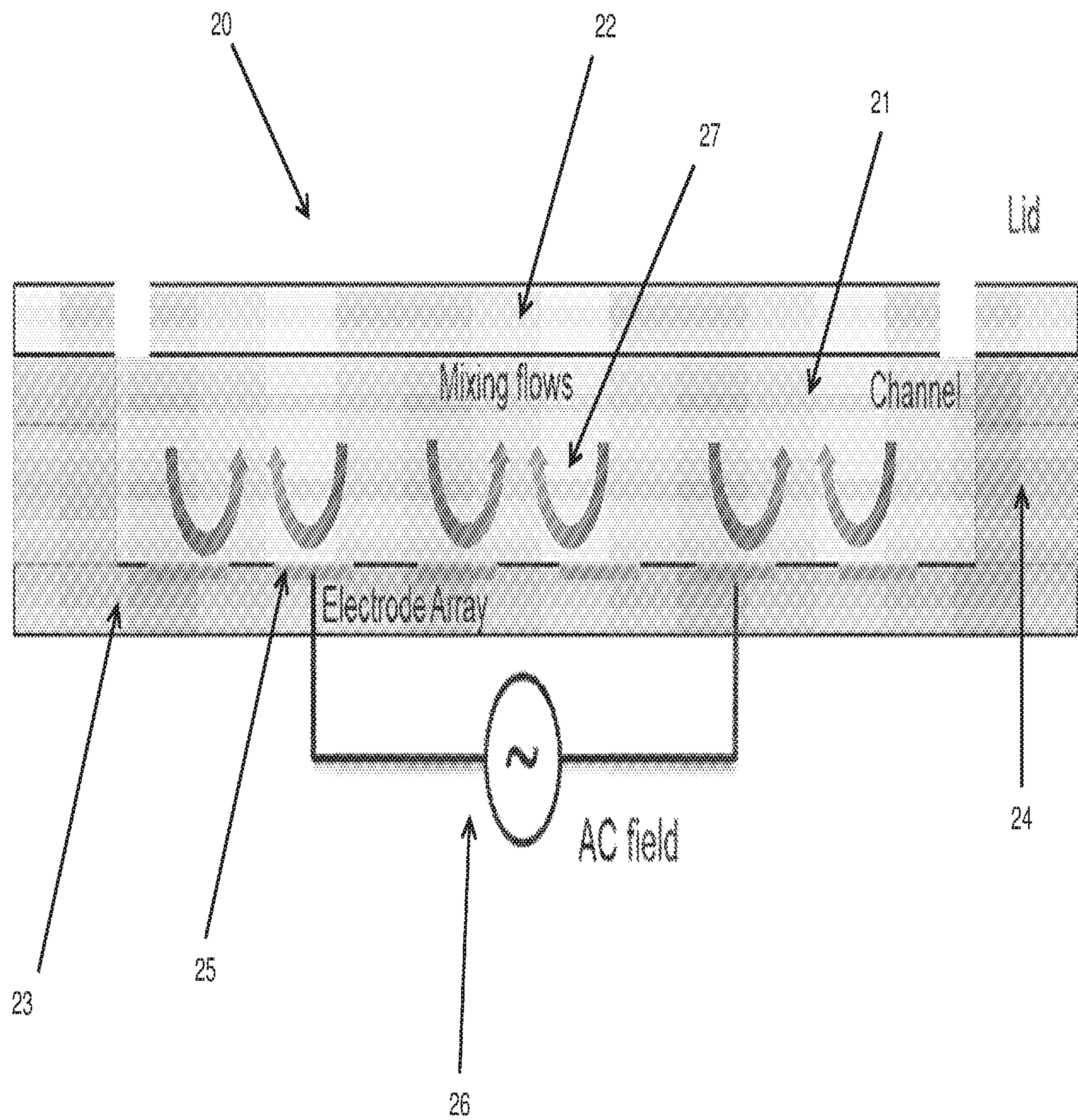


FIG. 2

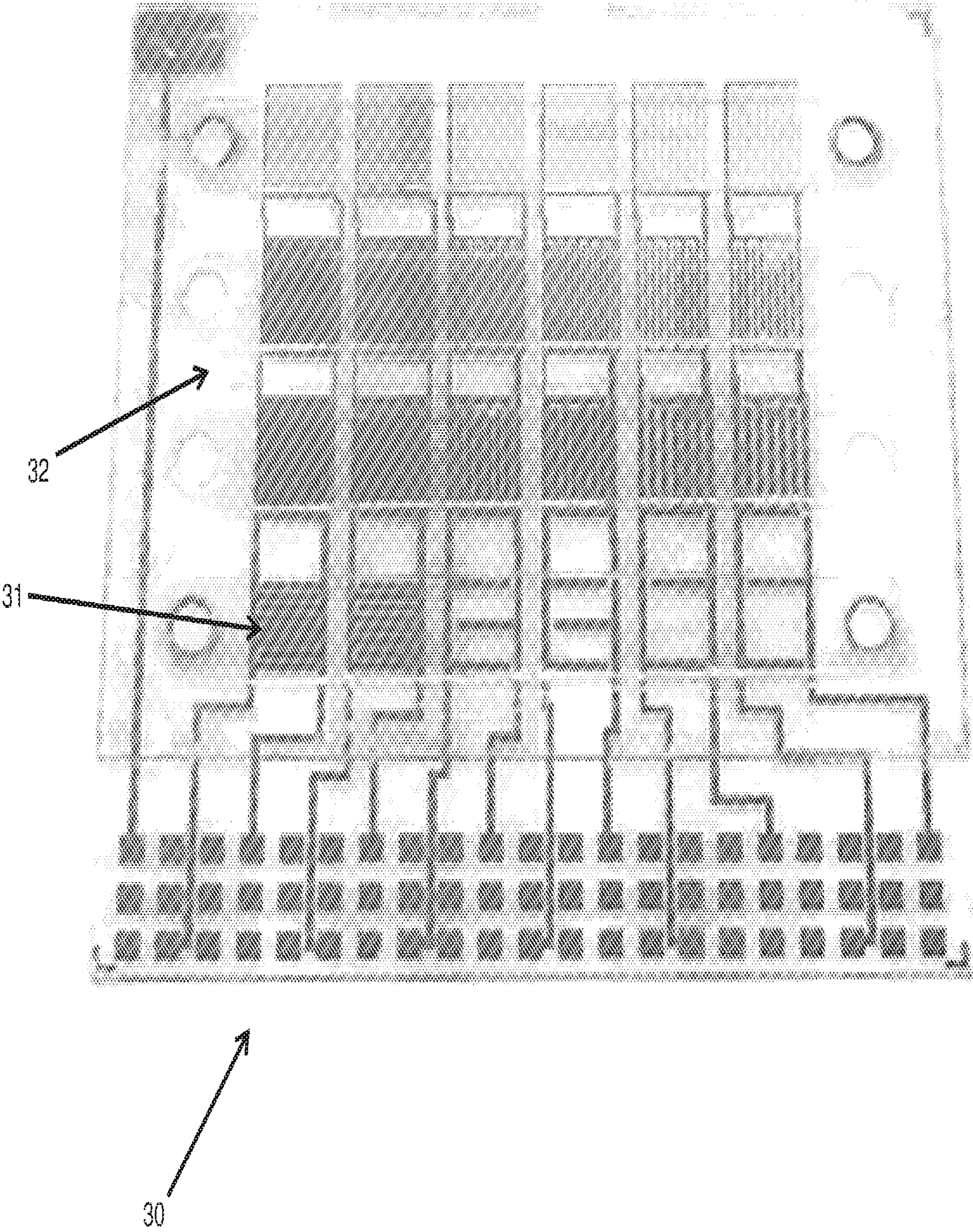


FIG. 3

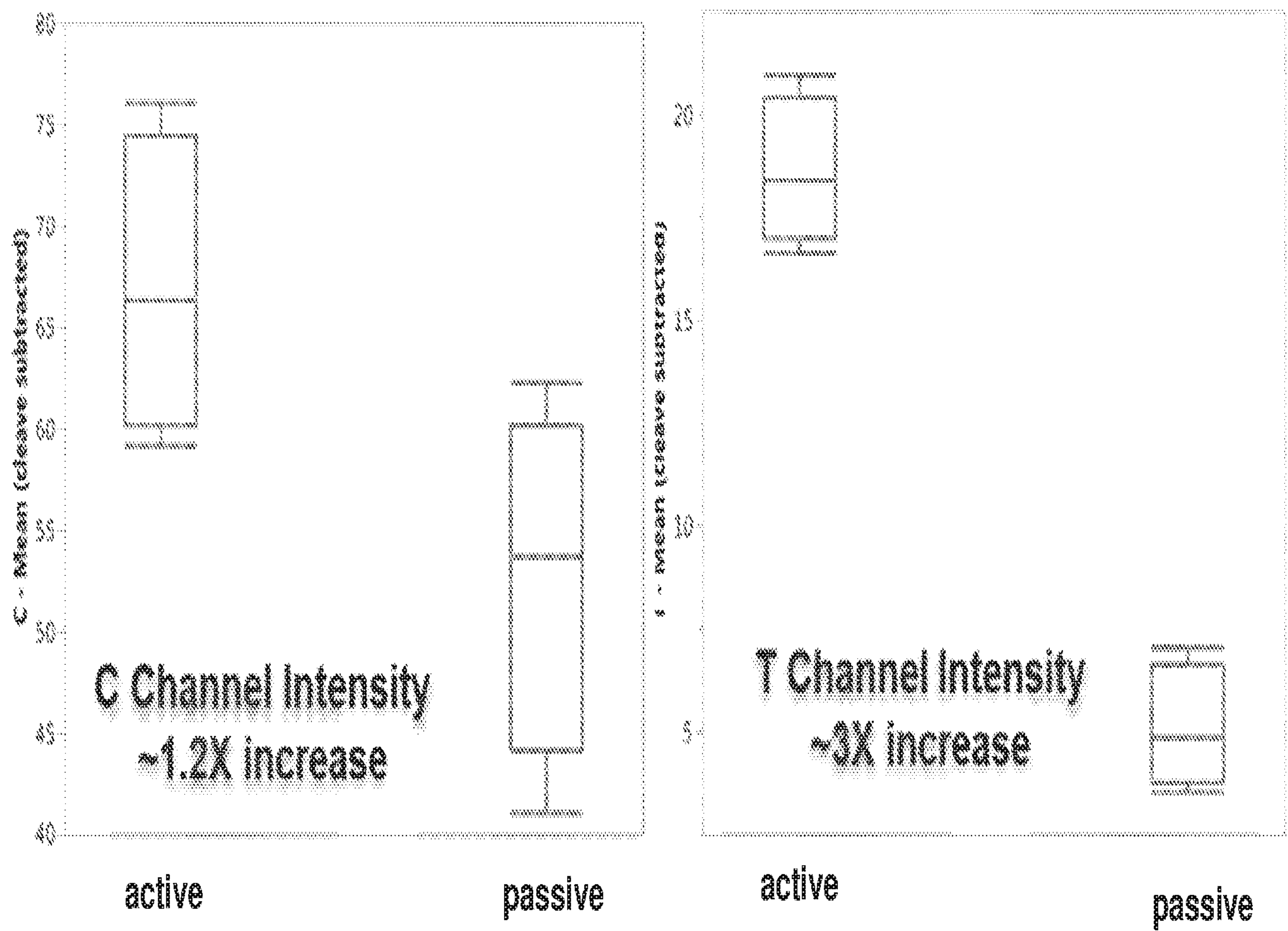


FIG. 4

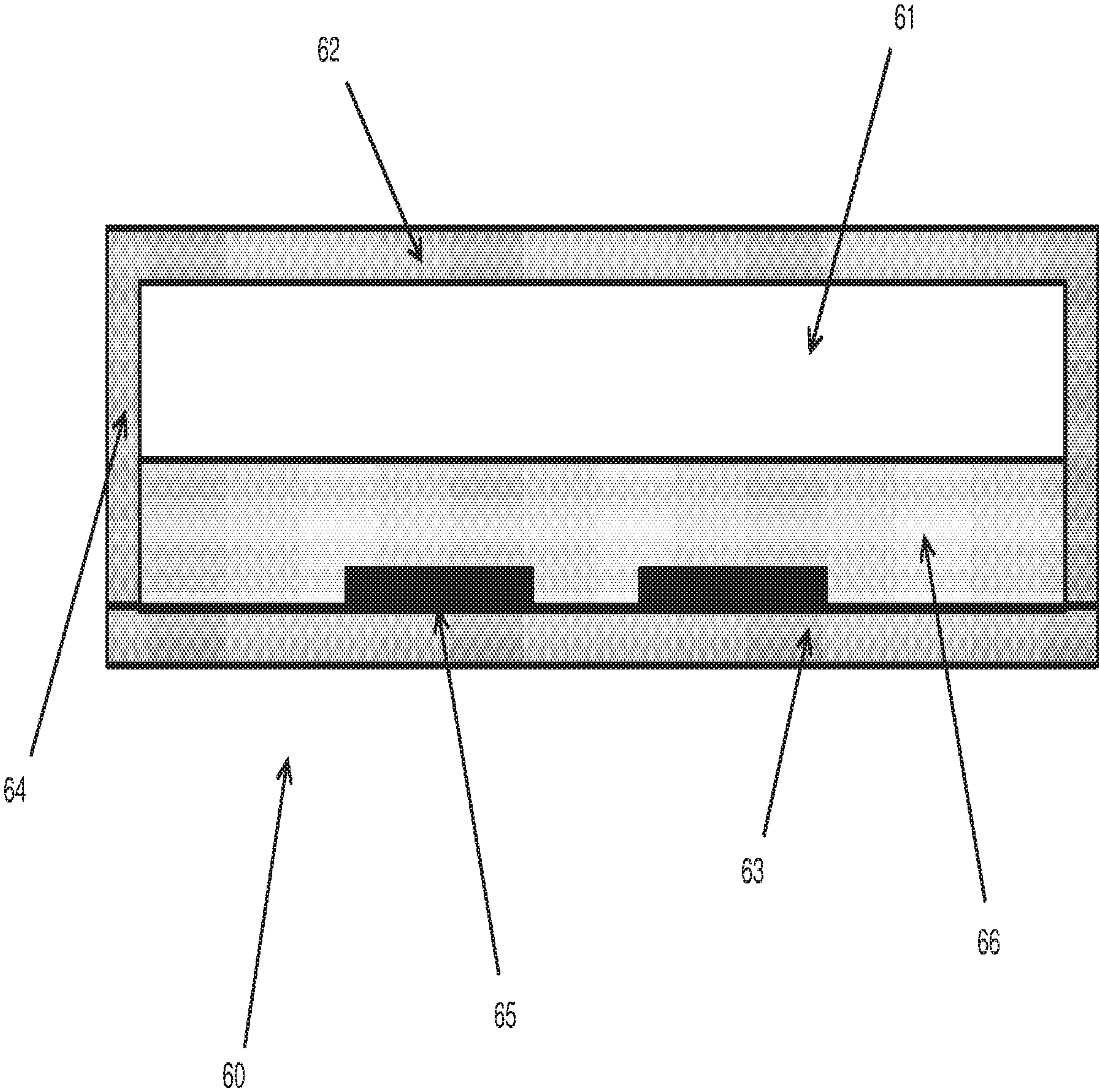


FIG. 5

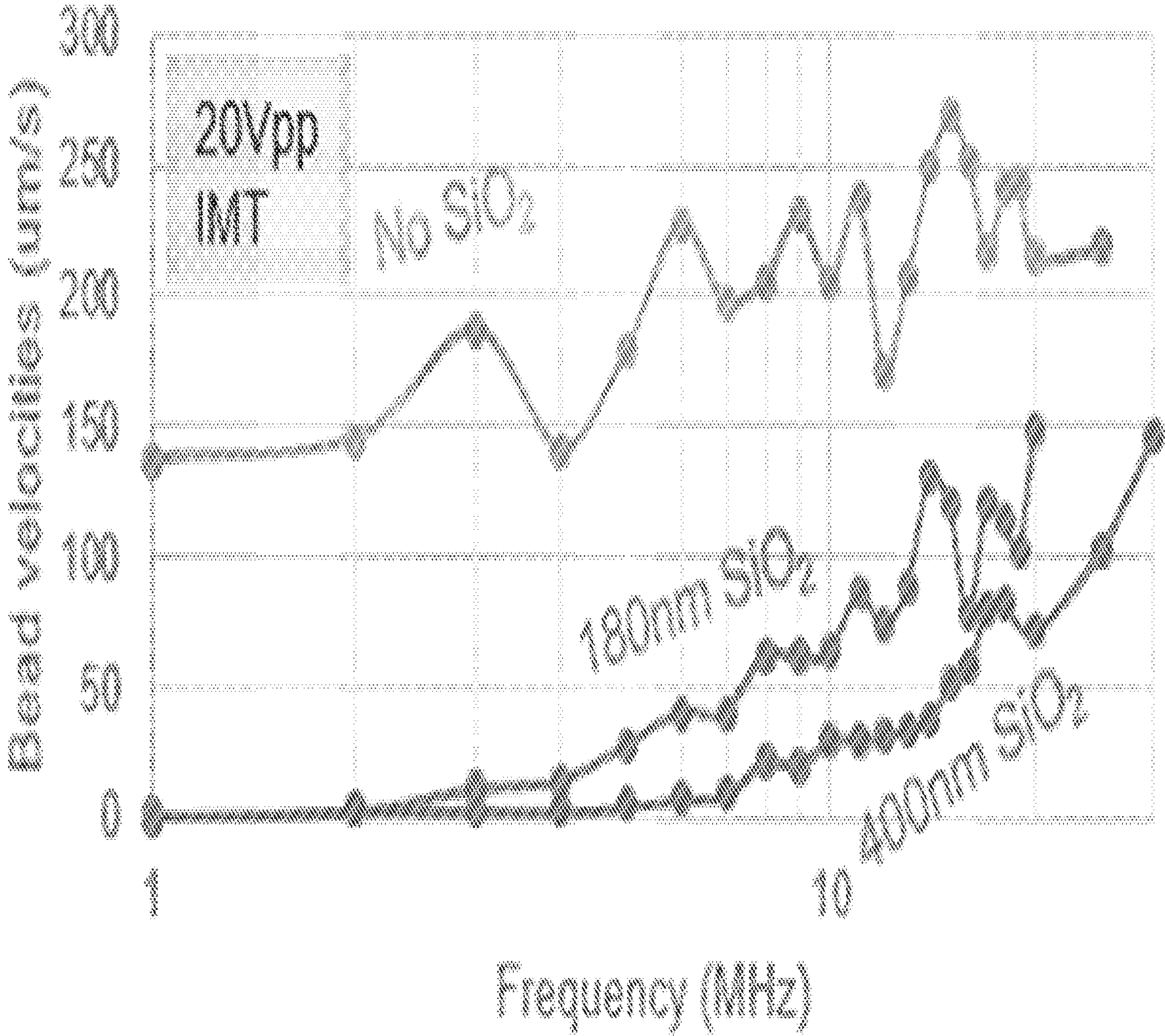


FIG. 6

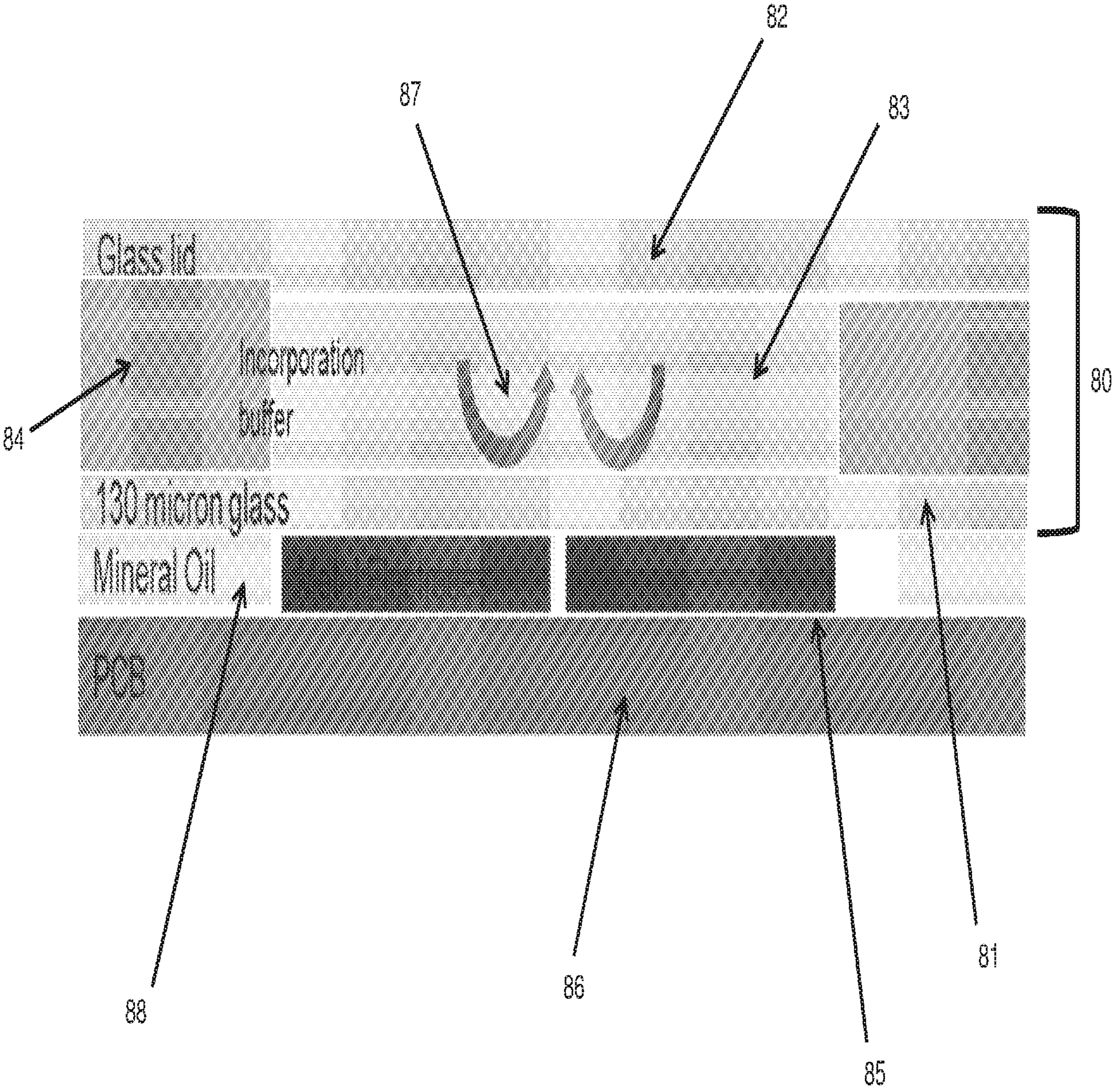


FIG. 7

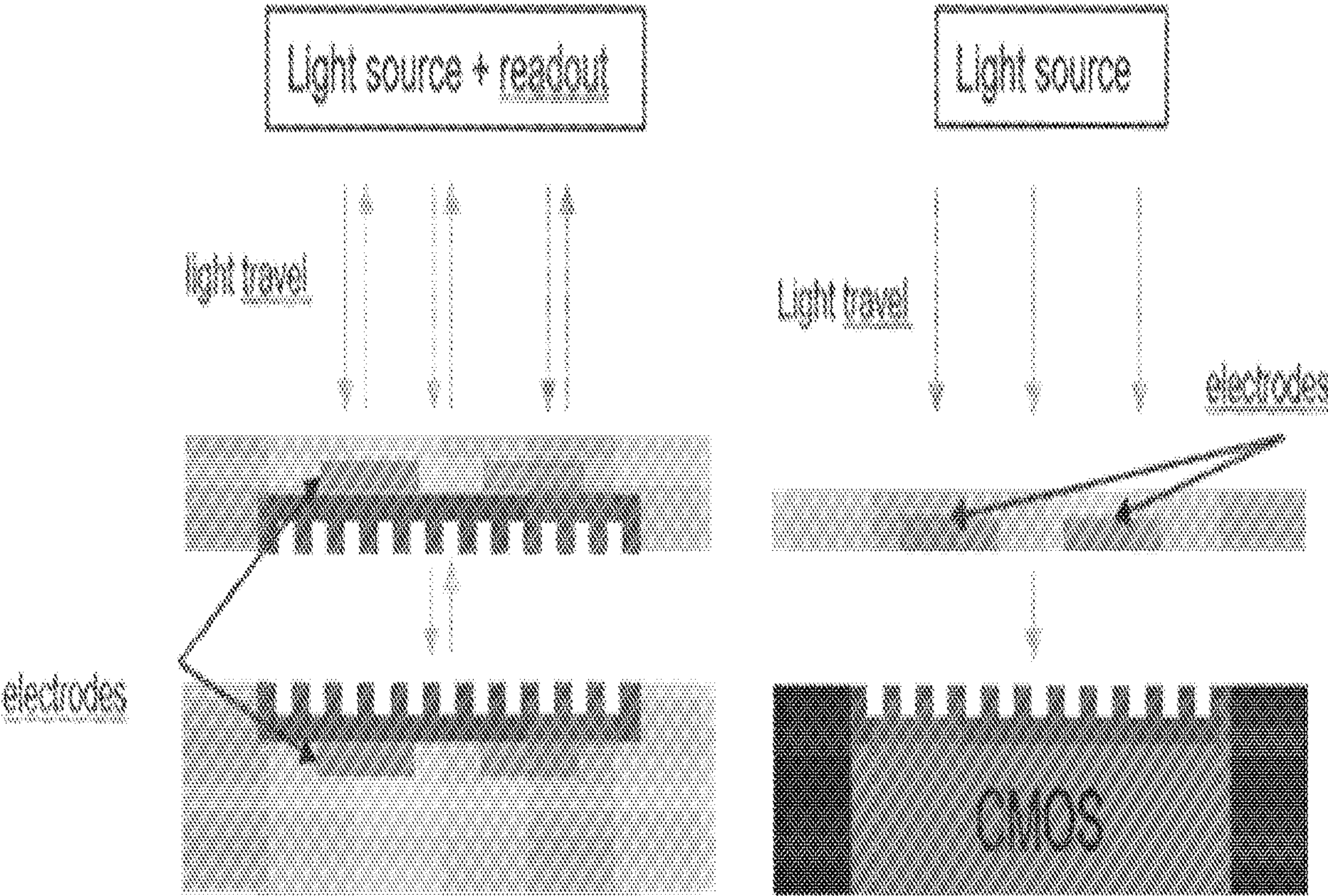


FIG. 8A

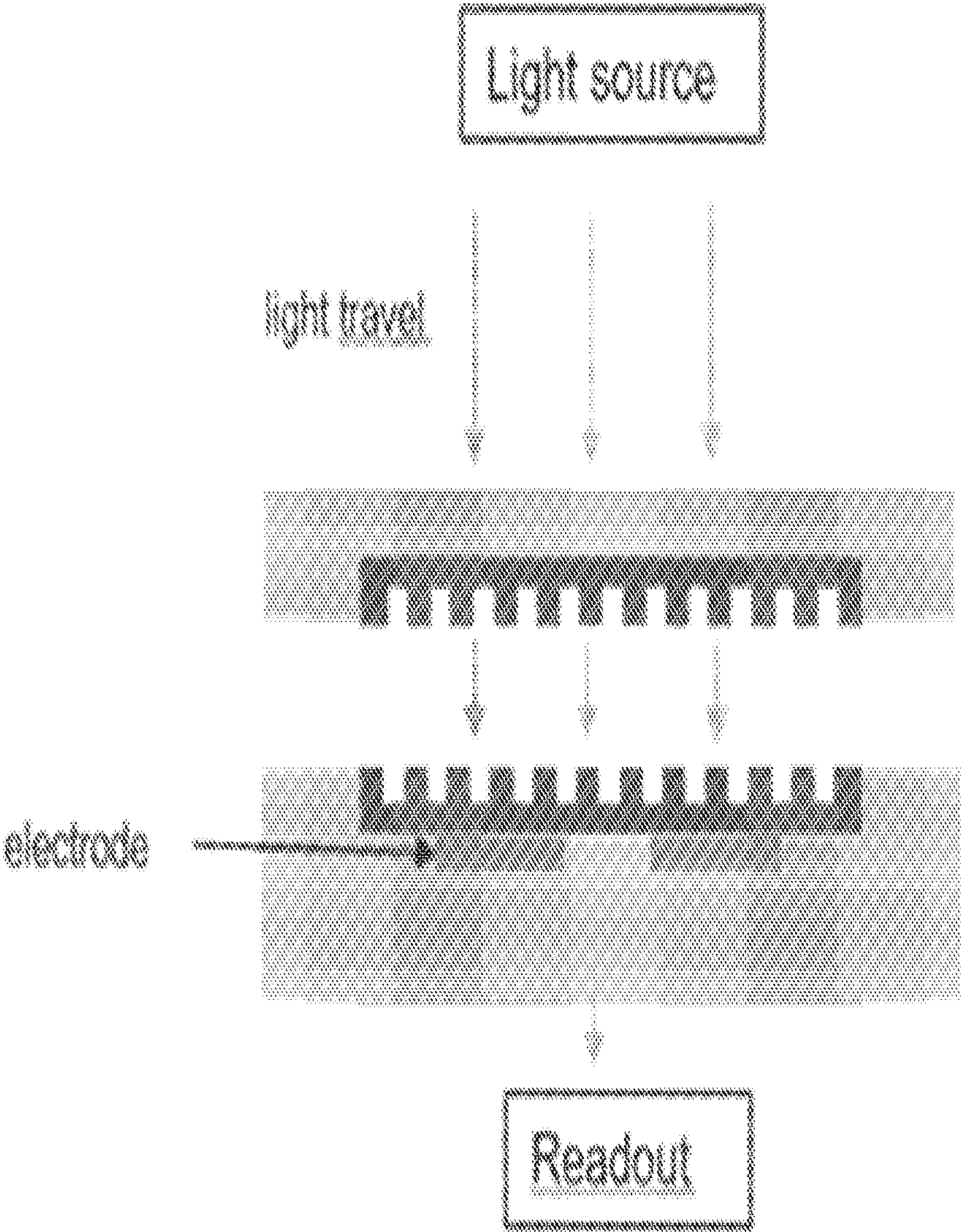


FIG. 8B

With electrode

Without electrode

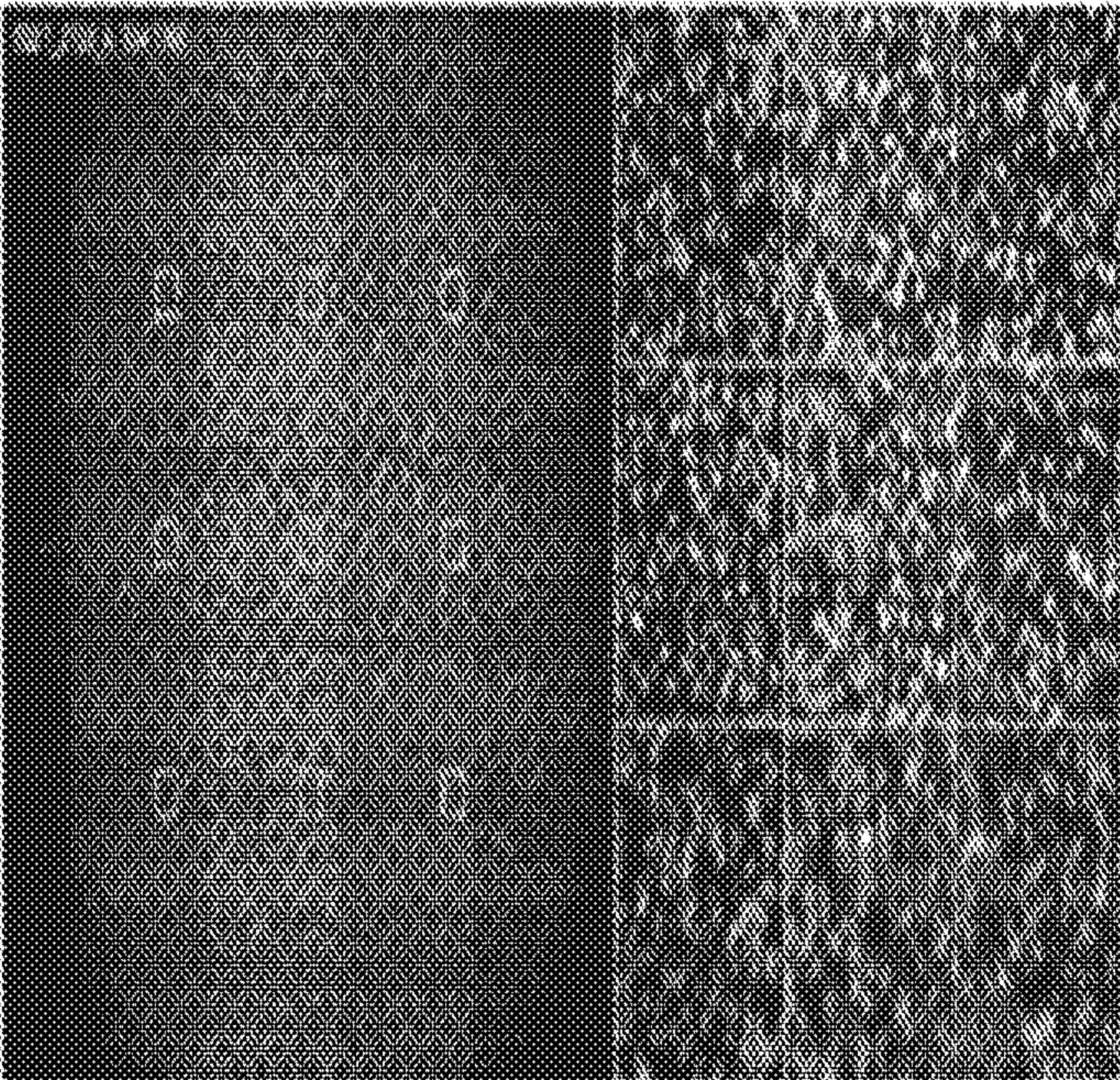
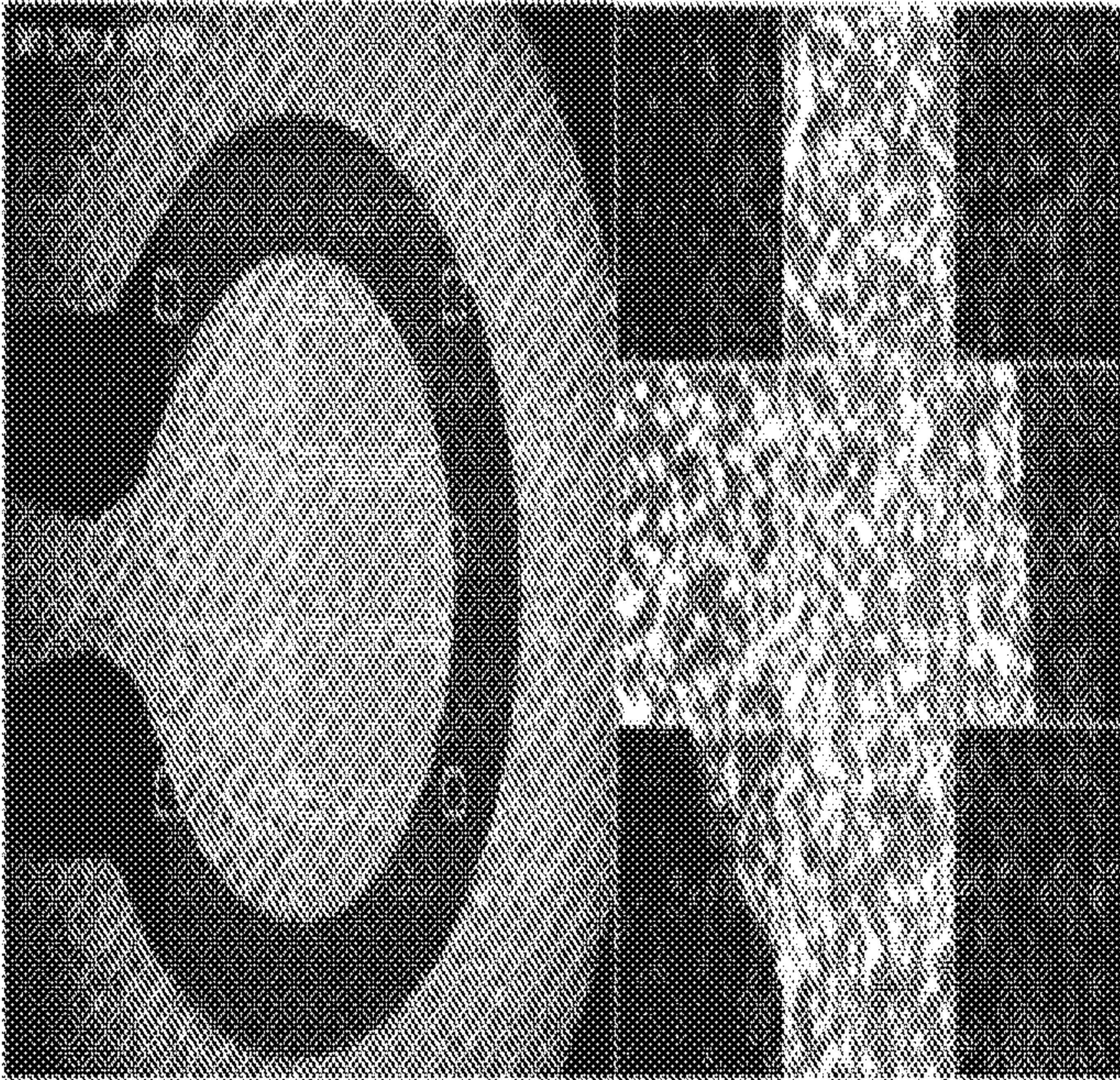


FIG. 8C

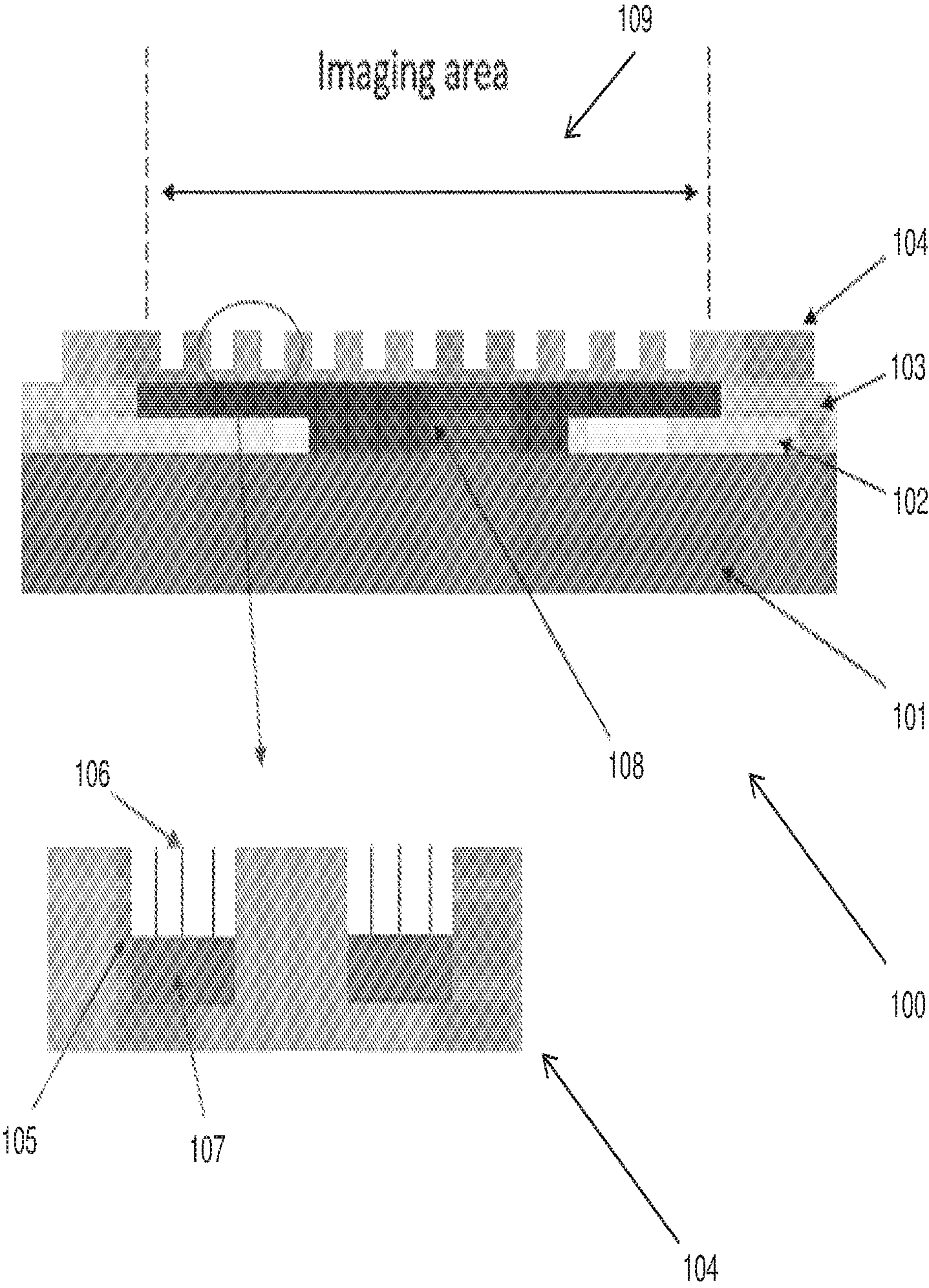


FIG. 9

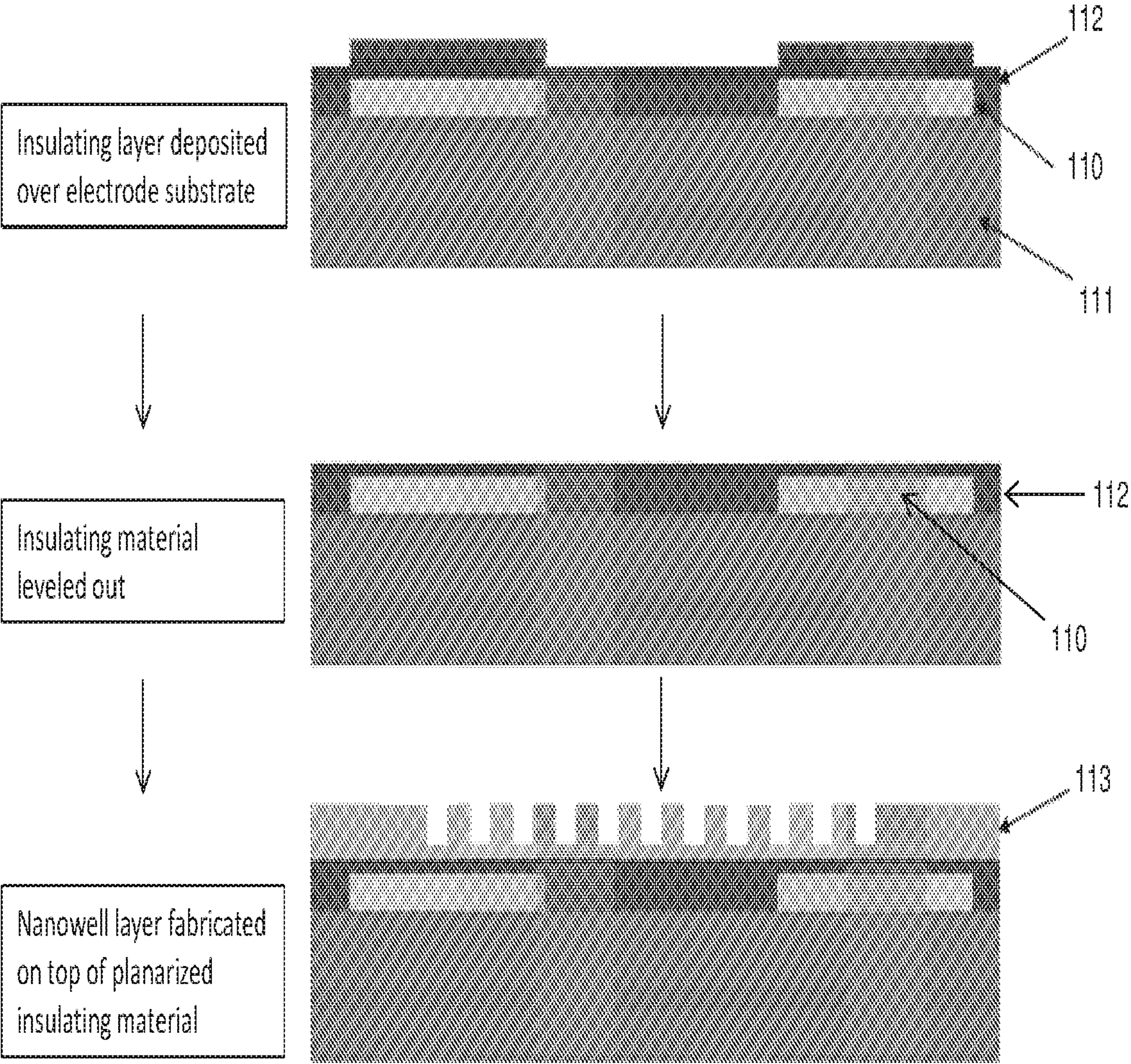


FIG. 10

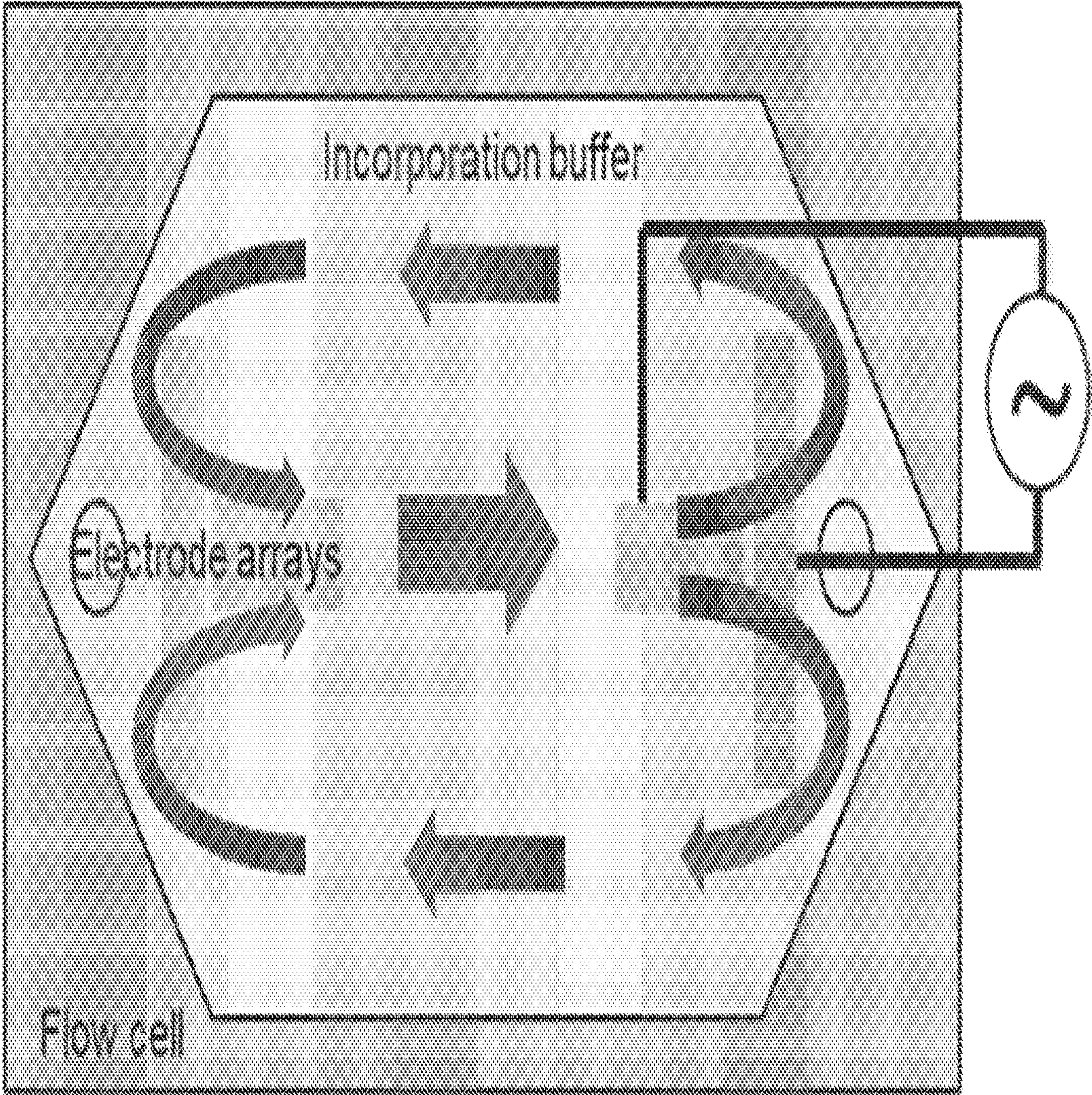


FIG. 11A

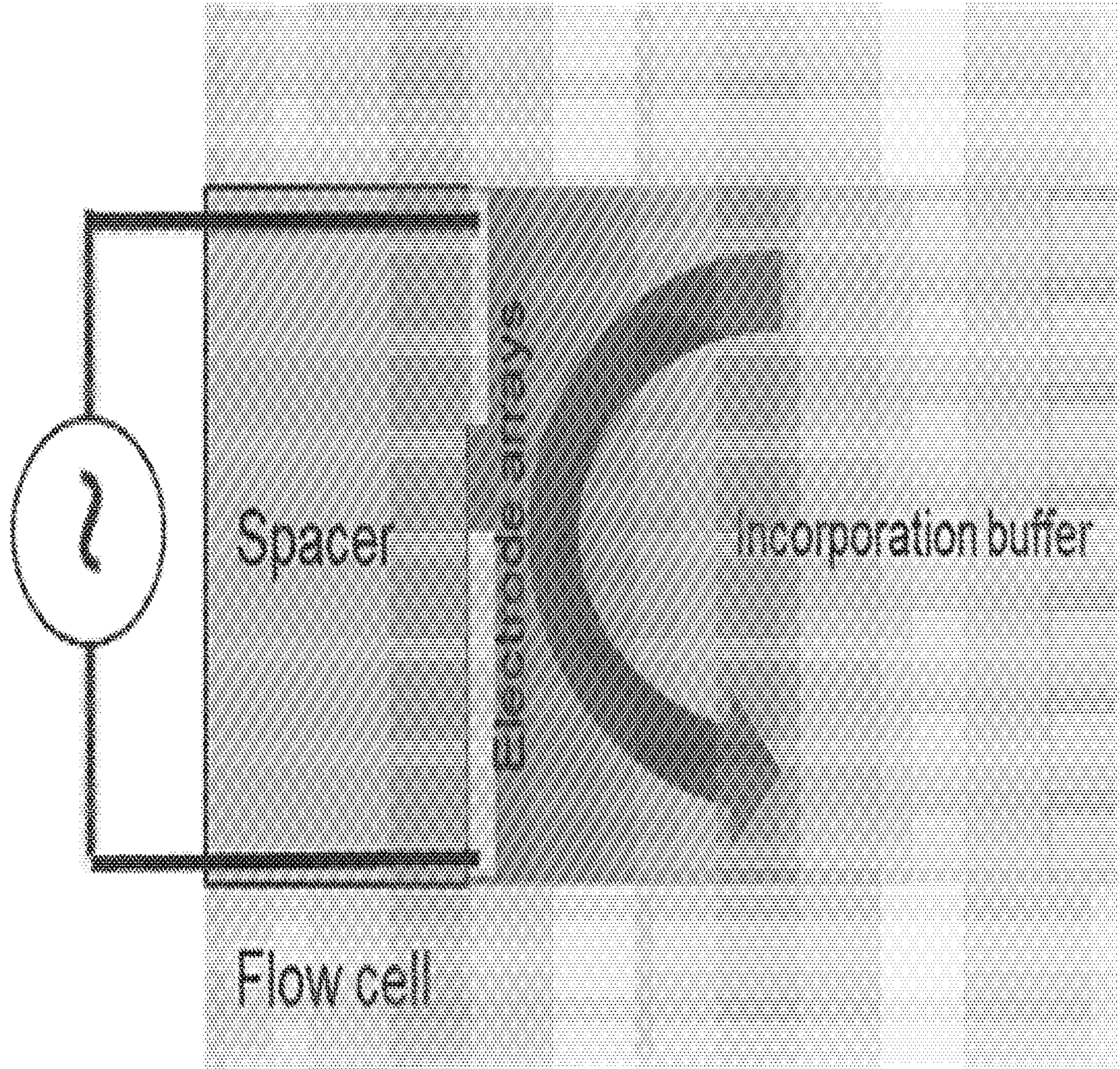


FIG. 11B

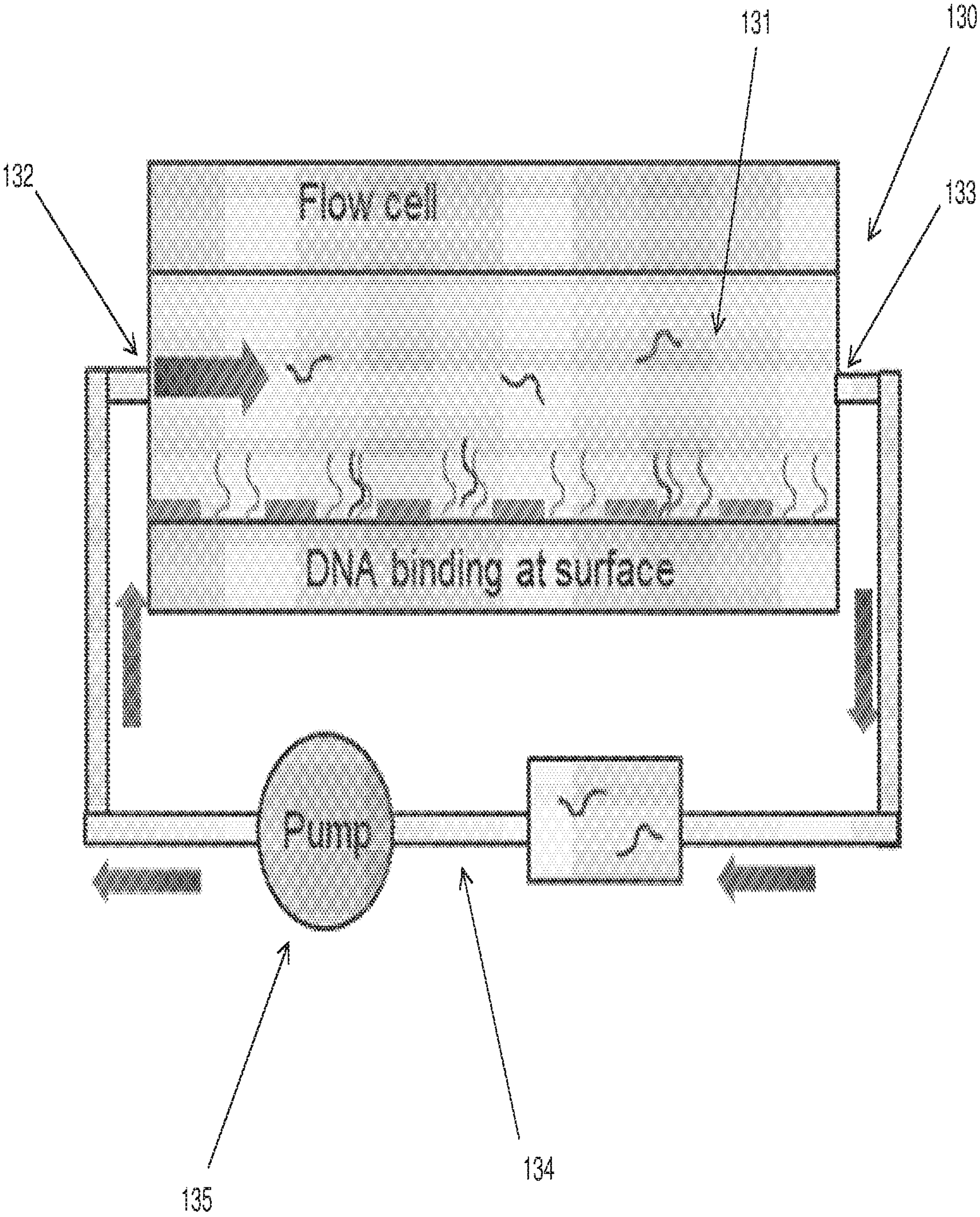


FIG. 12A

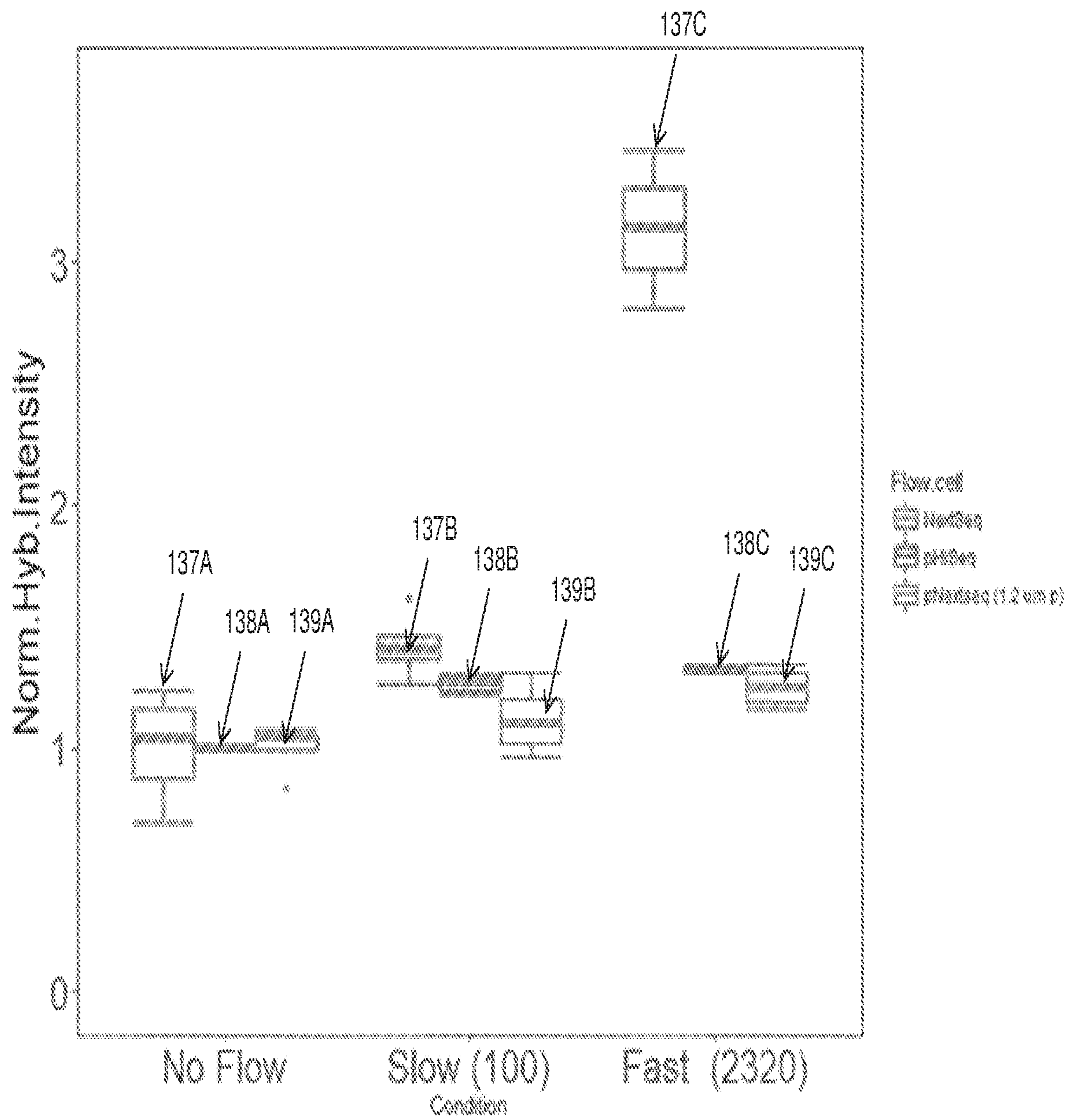


FIG. 12B

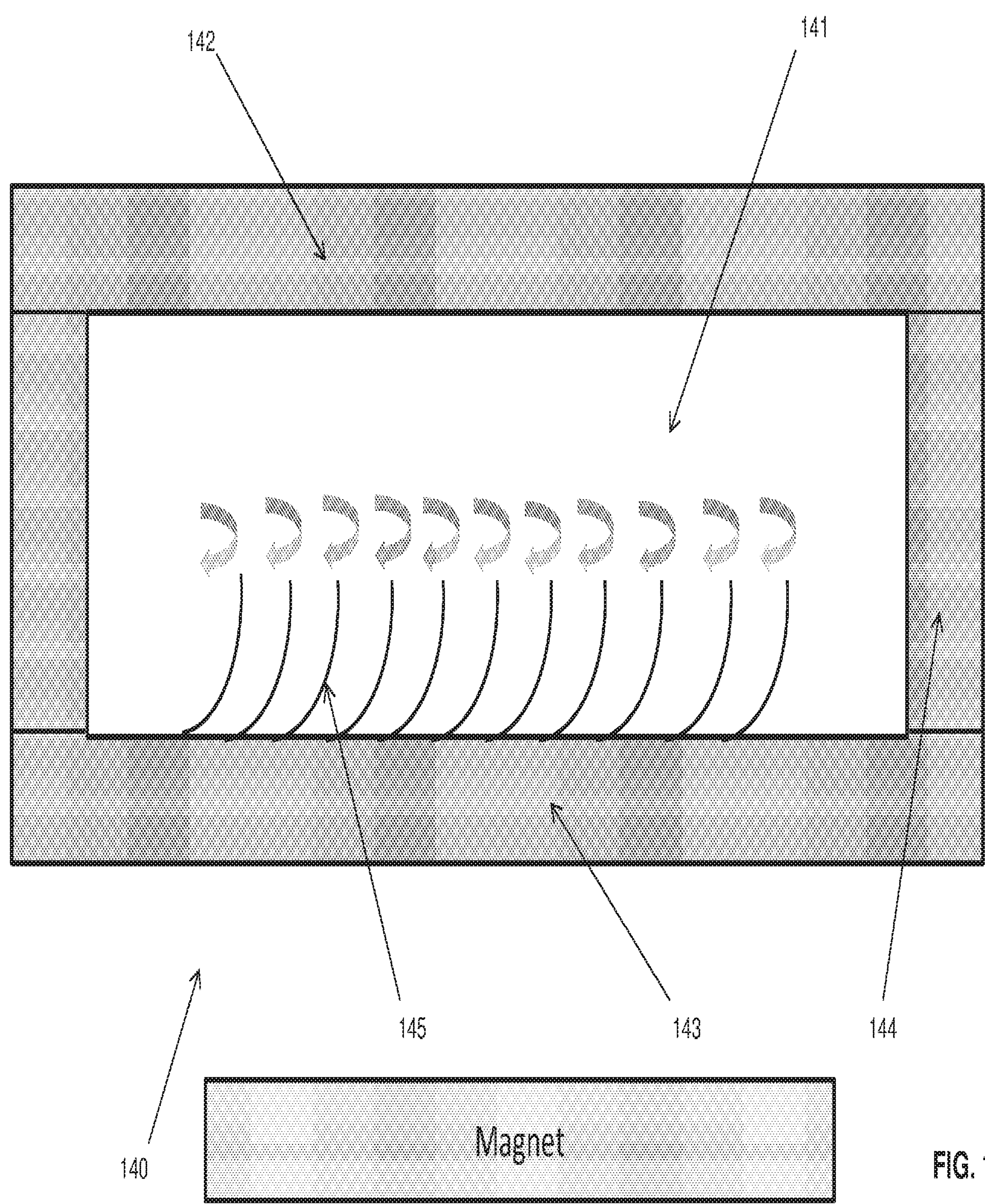


FIG. 13

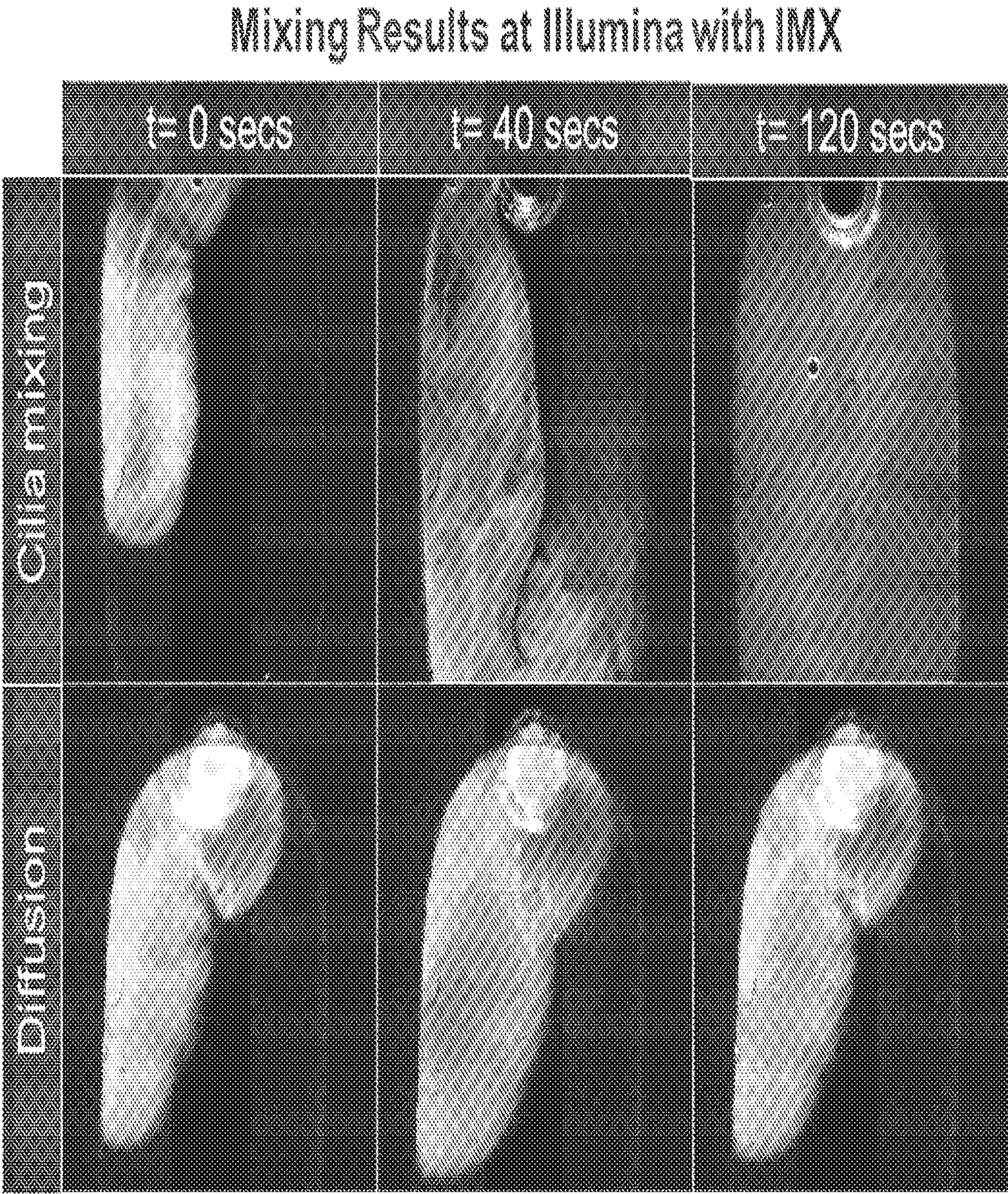


FIG. 14

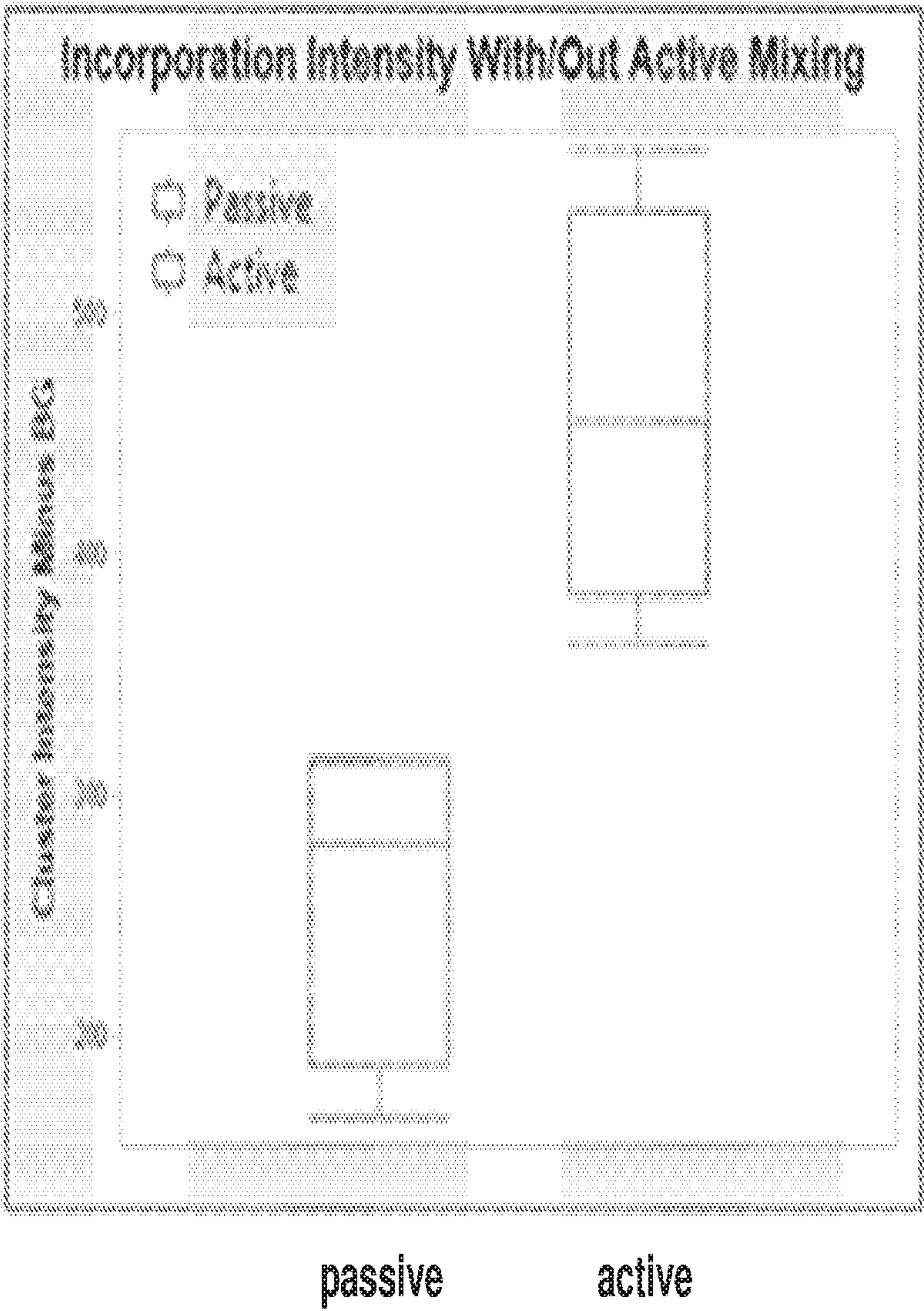


FIG. 15

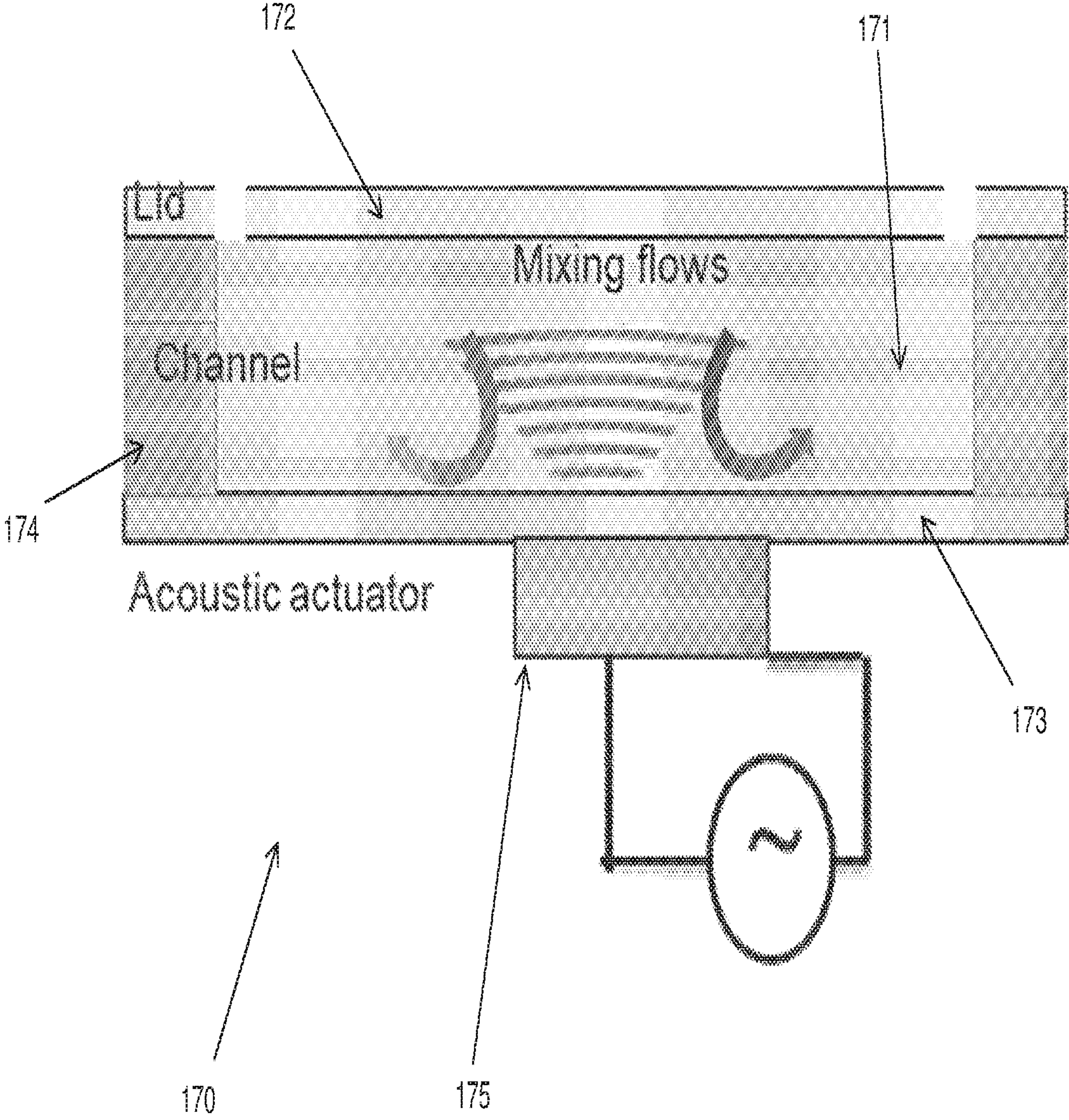


FIG. 16

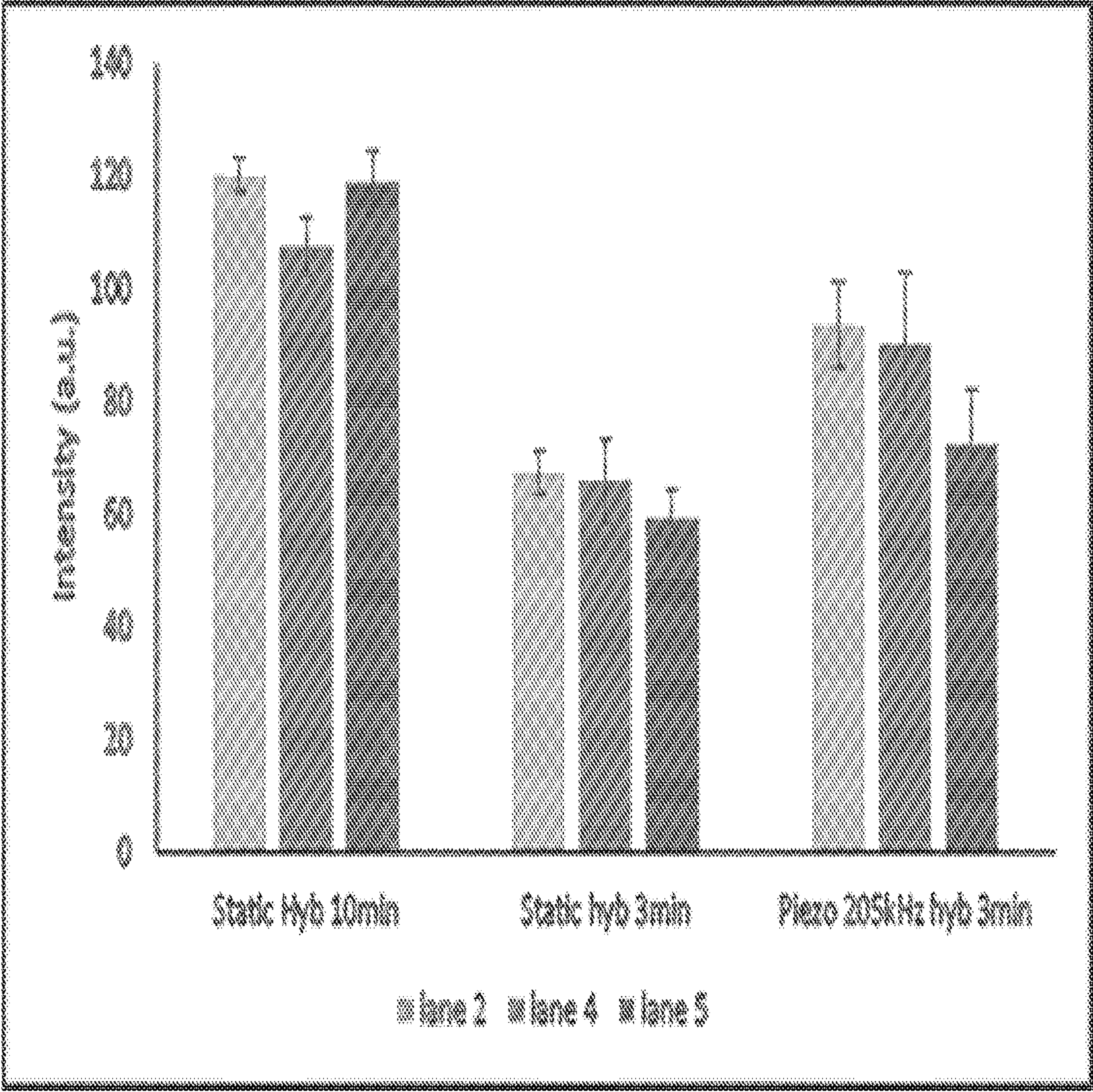


FIG. 17

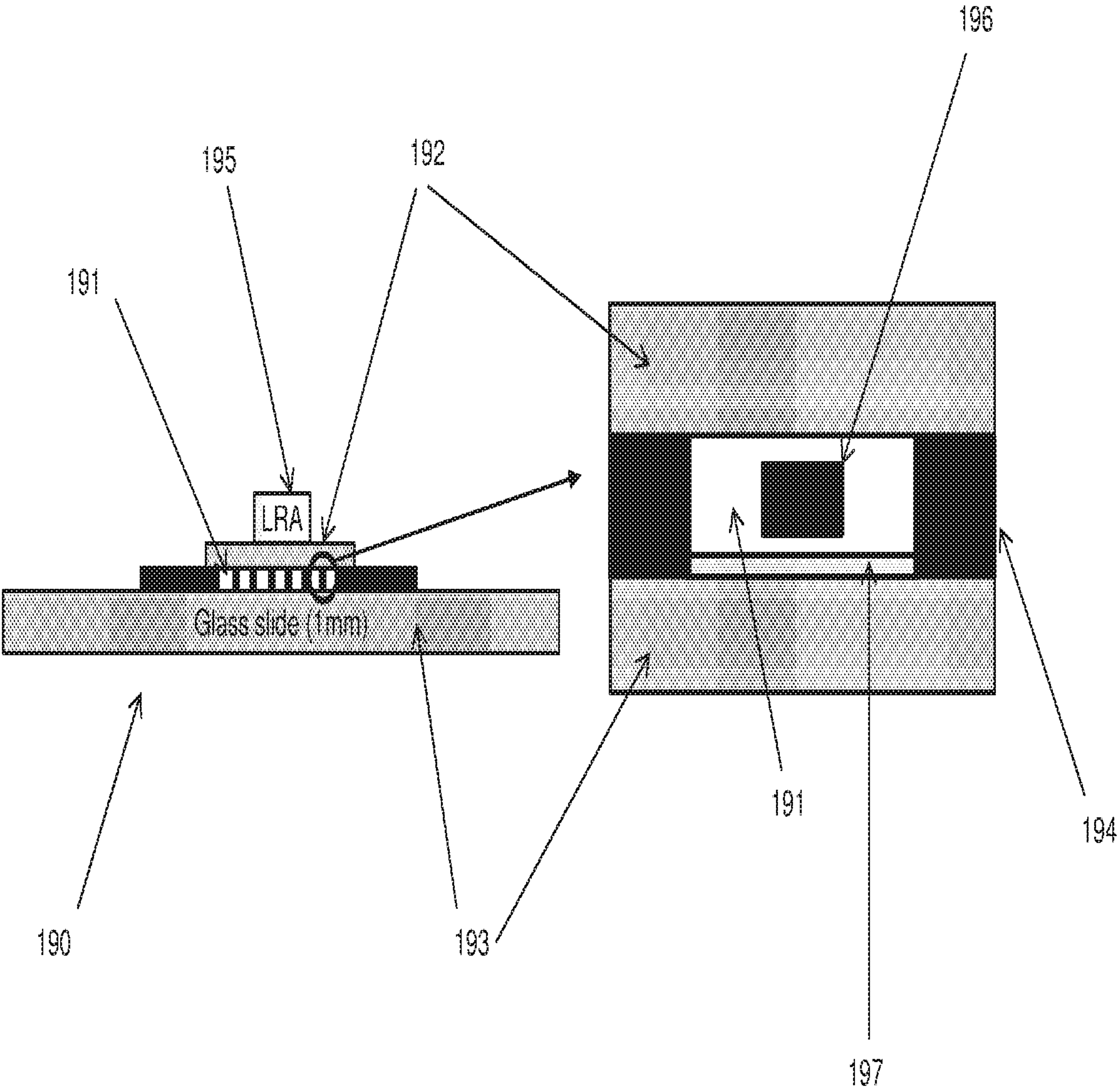


FIG. 18A

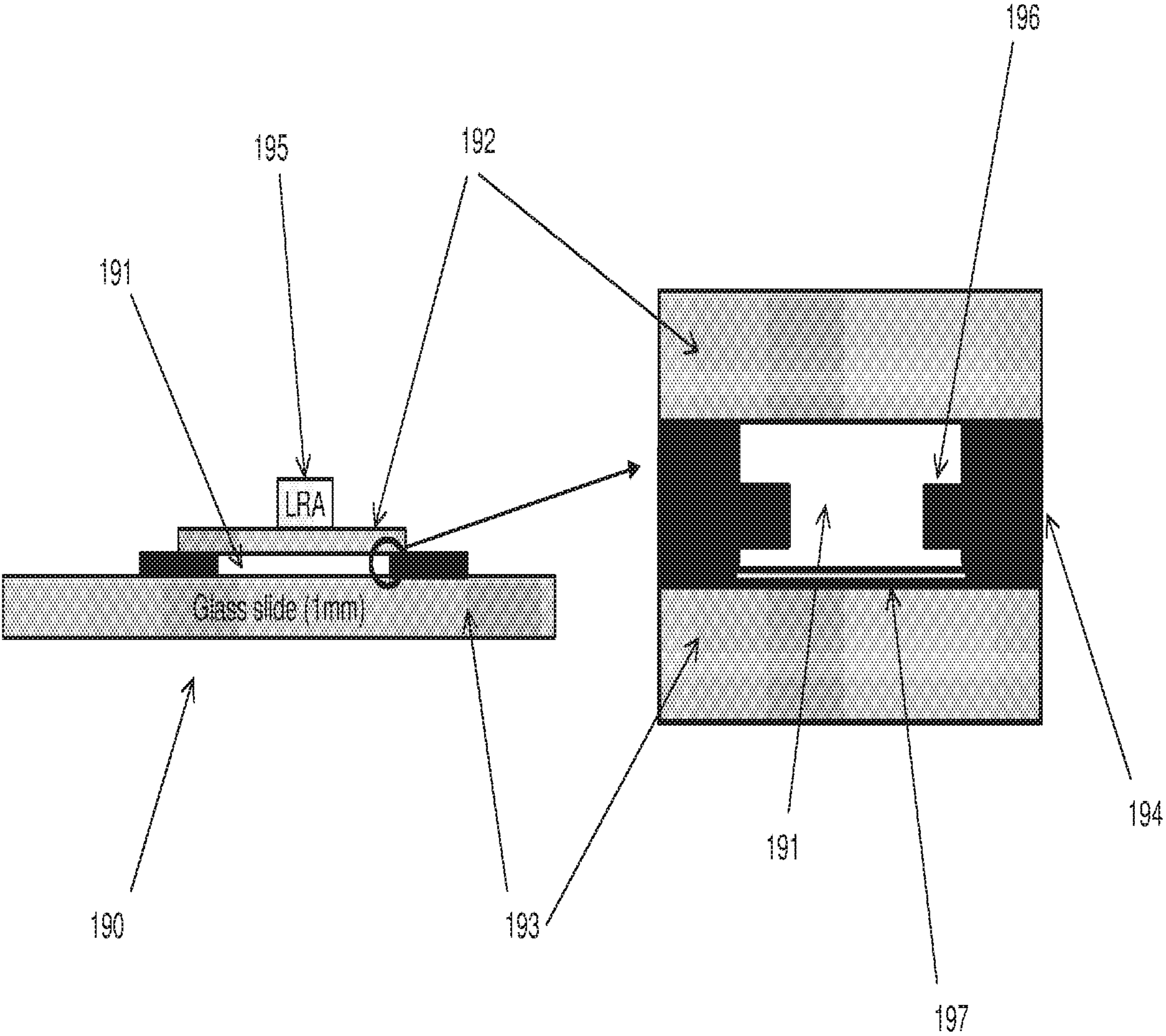


FIG. 18B

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Introducing an aqueous solution
comprising at least one reagent
into a fluidic device



Mixing the aqueous solution with
a mixing device

FIG. 19

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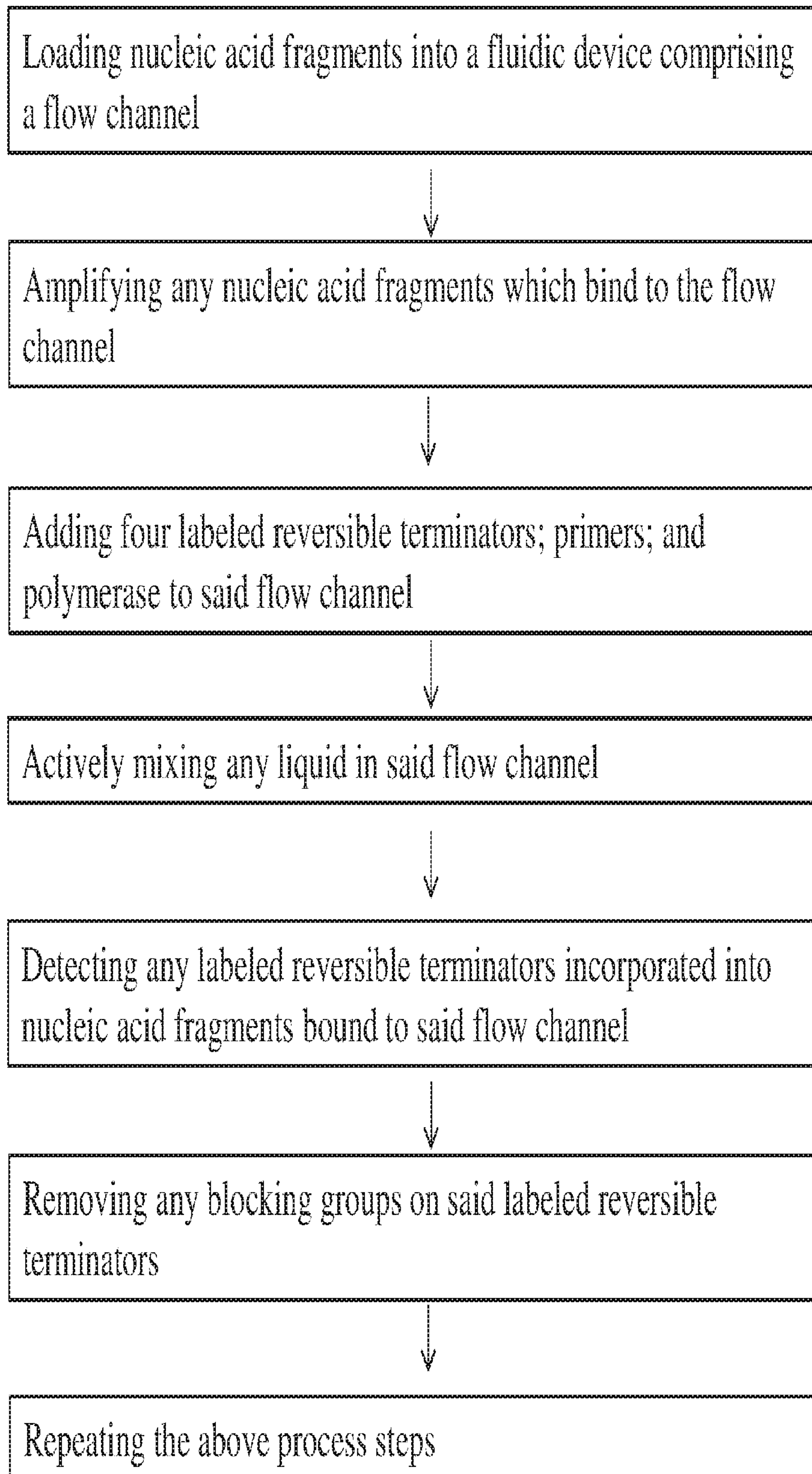


FIG. 20

100 um vs 200 um channel height

100um channel height



20Vpp, 20MHz
Incorporation buffer
30s integration time

200um channel height



20Vpp, 20MHz
Incorporation buffer
30s integration time

Electrode width: 200um or 250um radius
Electrode gap: 100um

FIG. 21

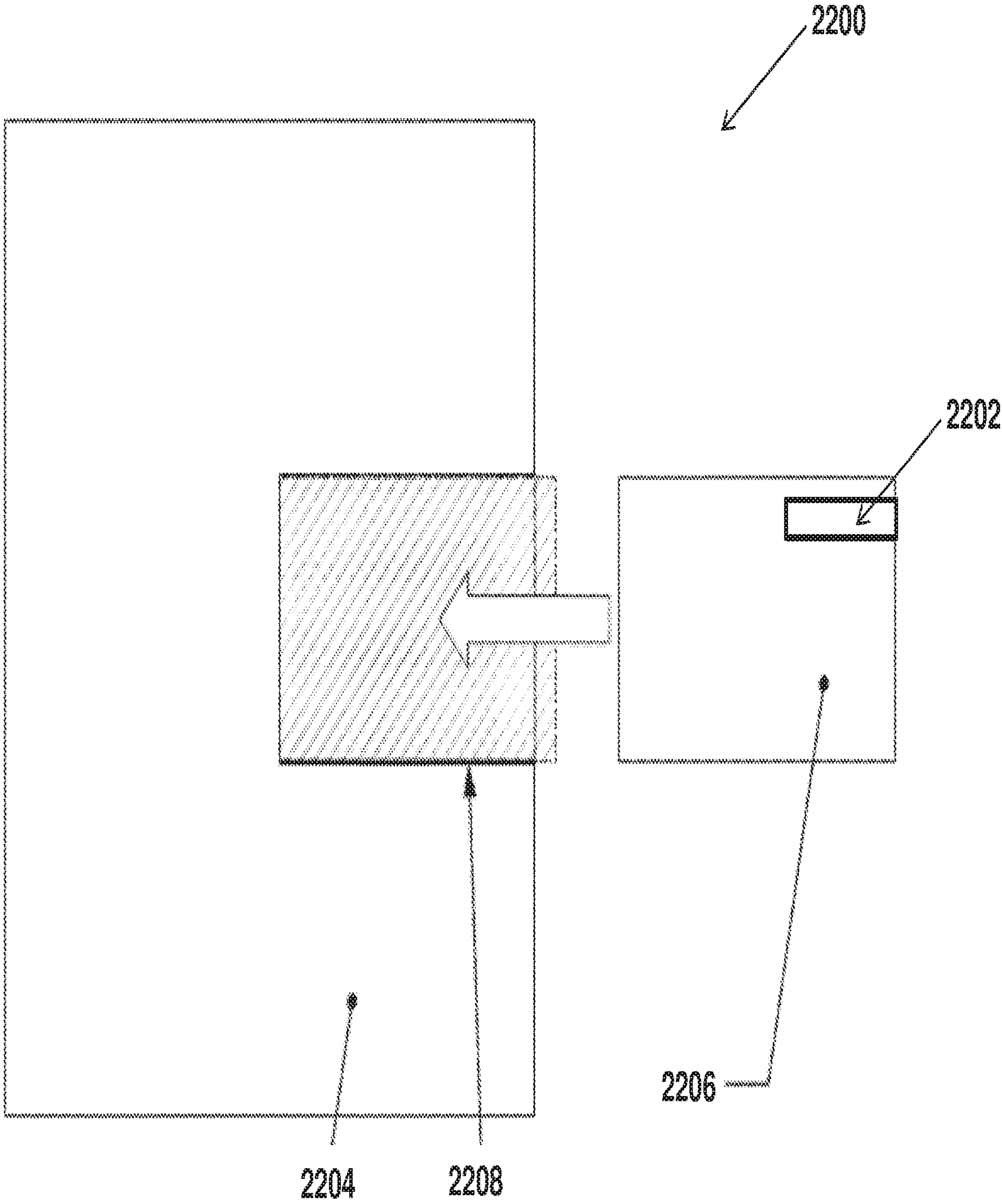


FIG. 22

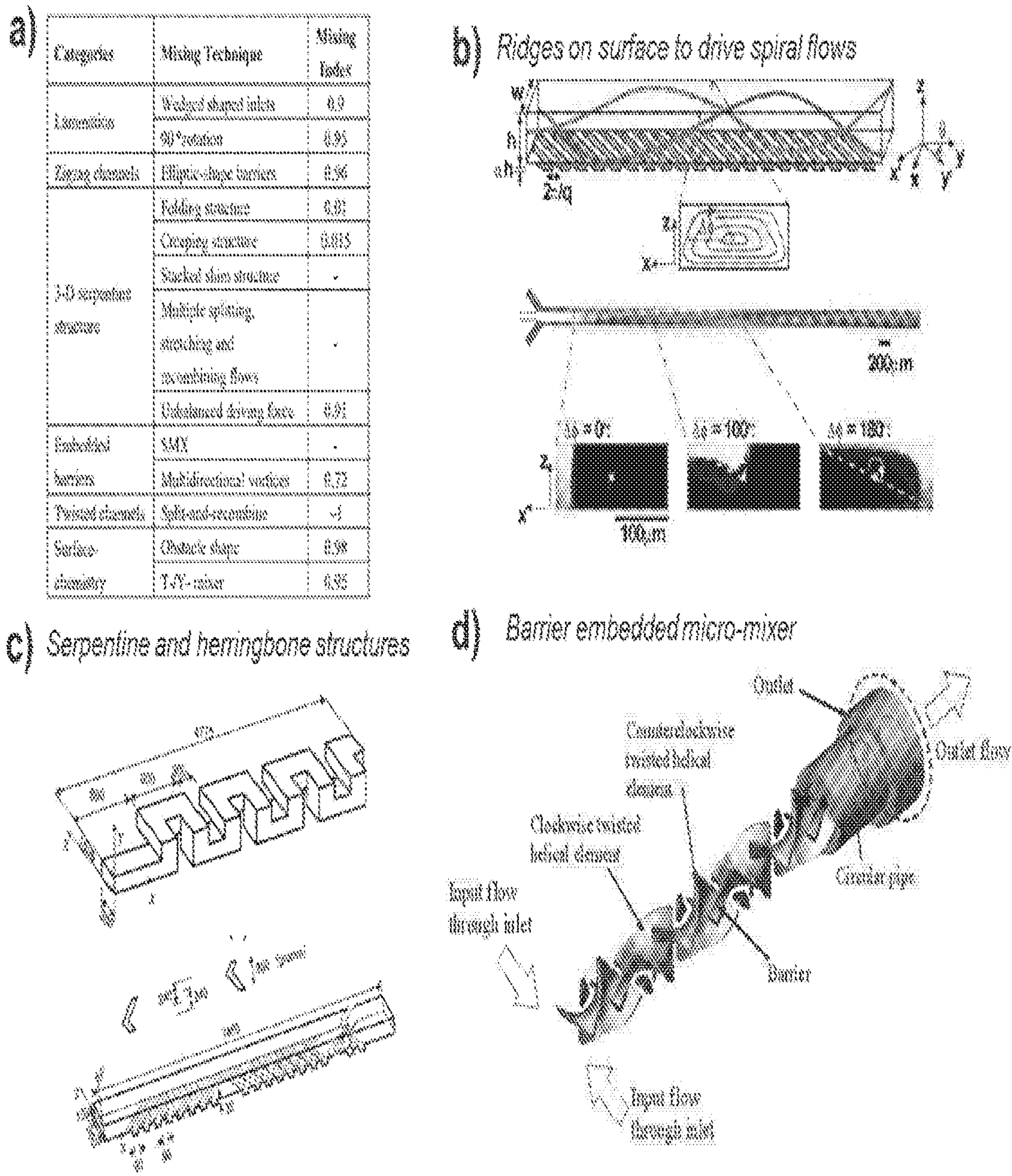


FIG. 23