

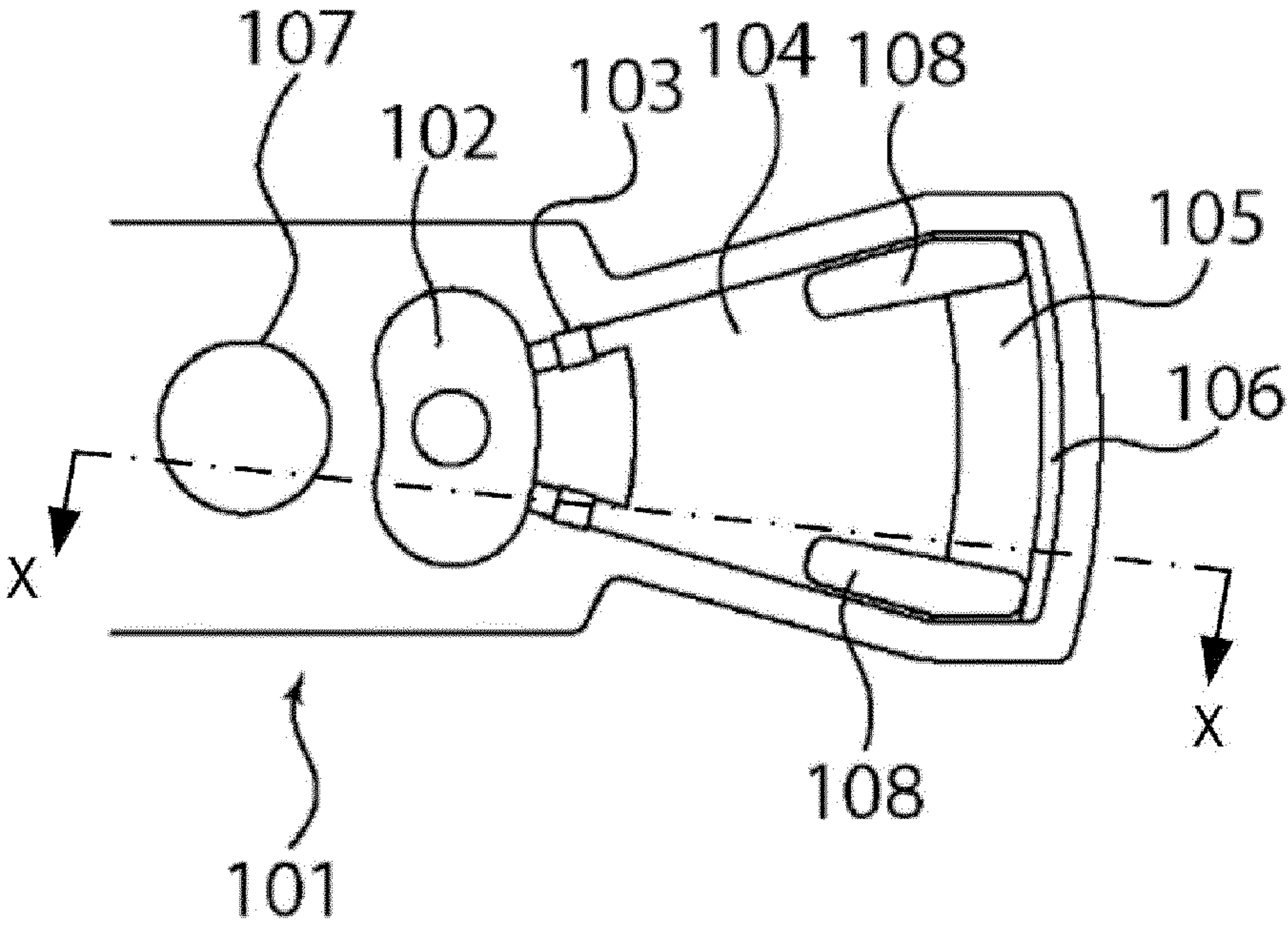


FIG. 1

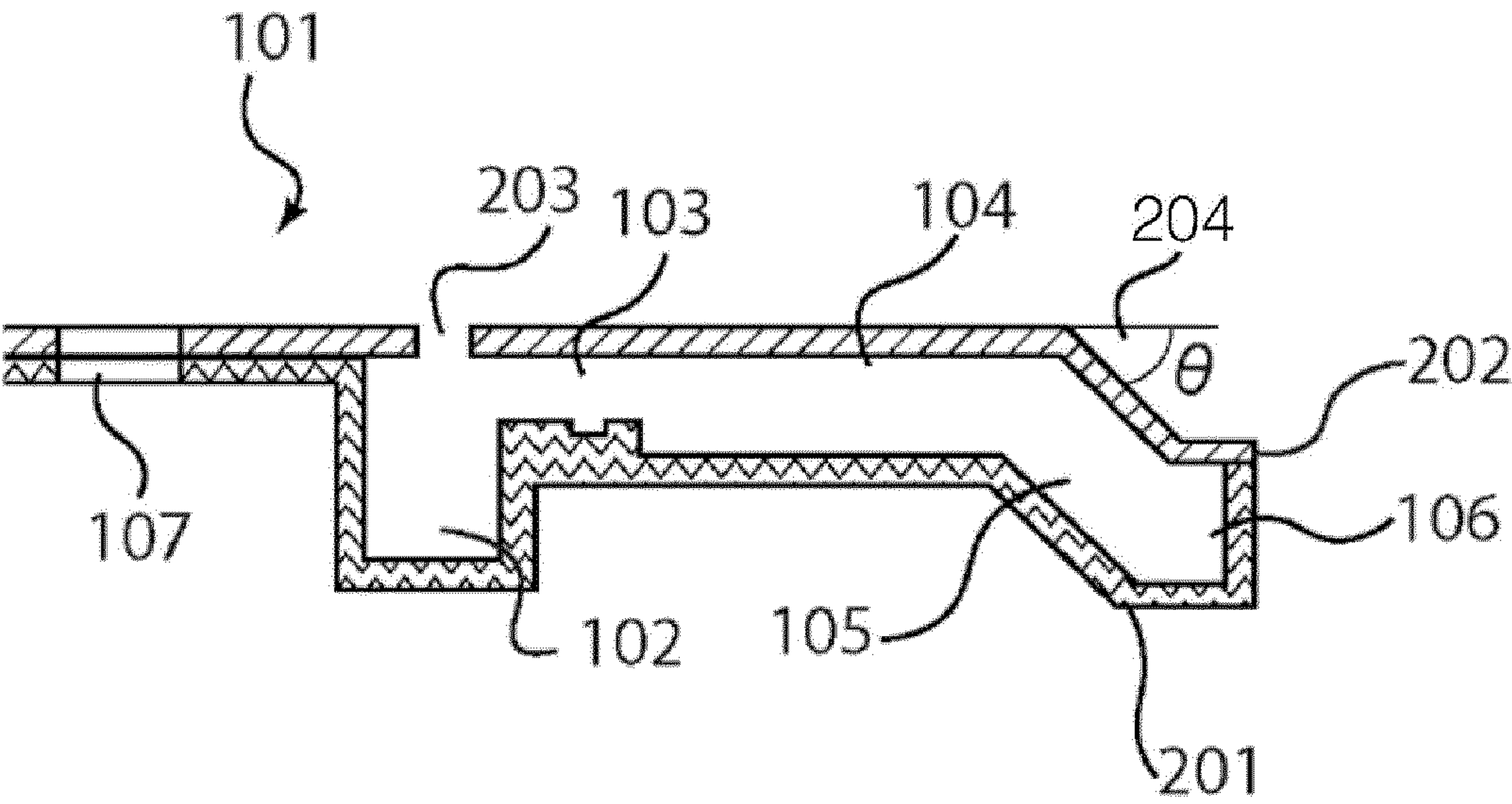


FIG. 2

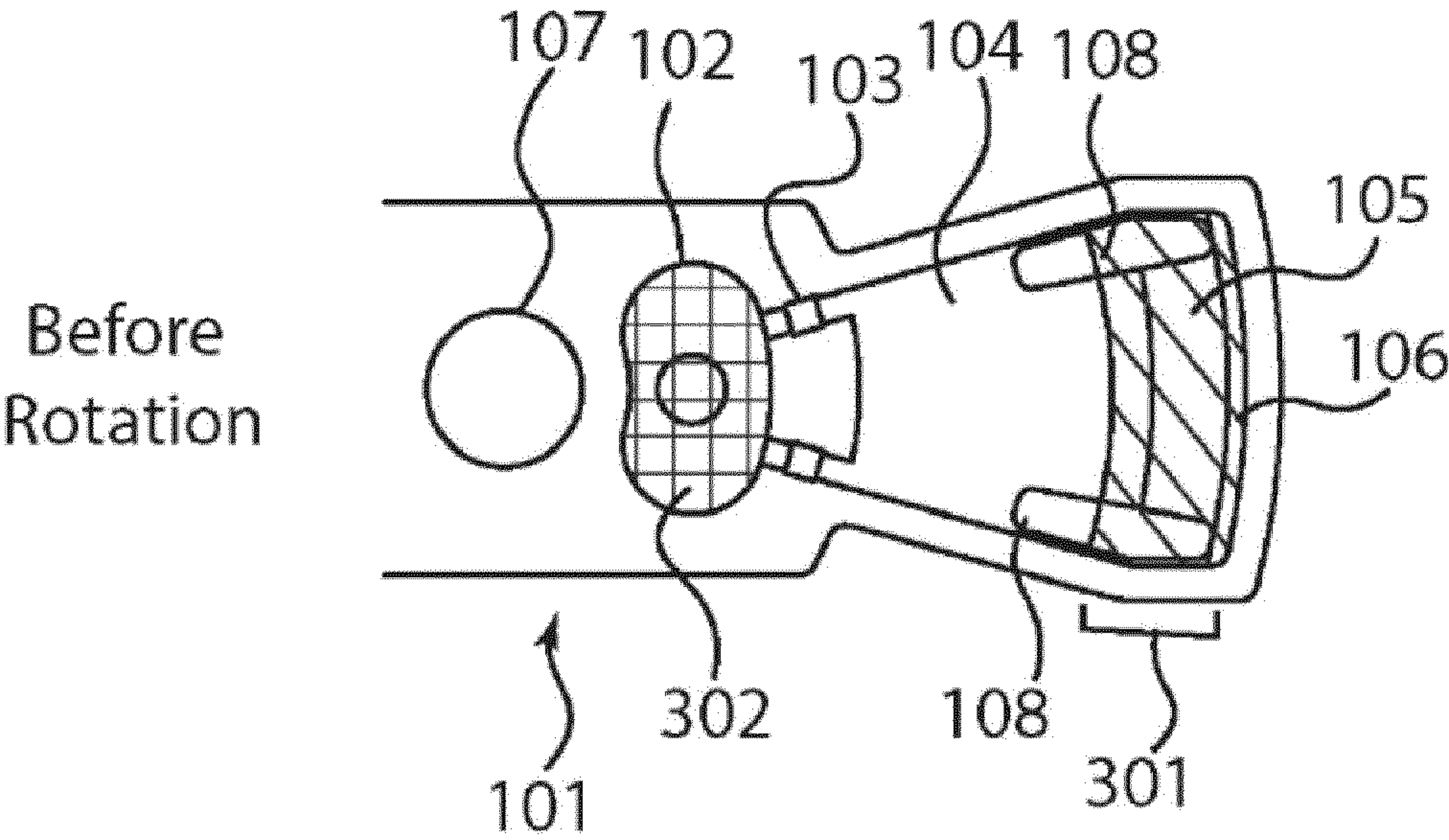


FIG. 3A

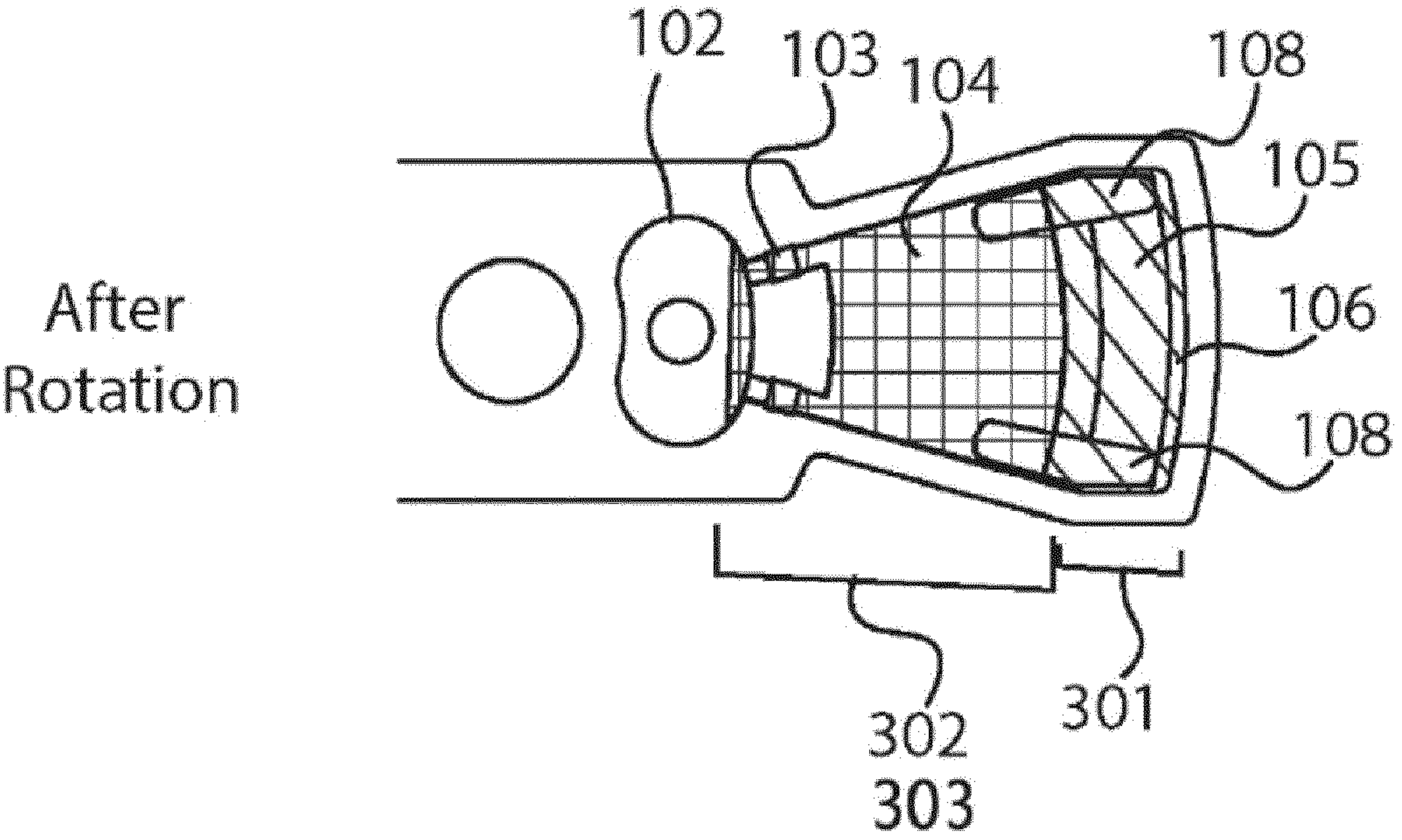
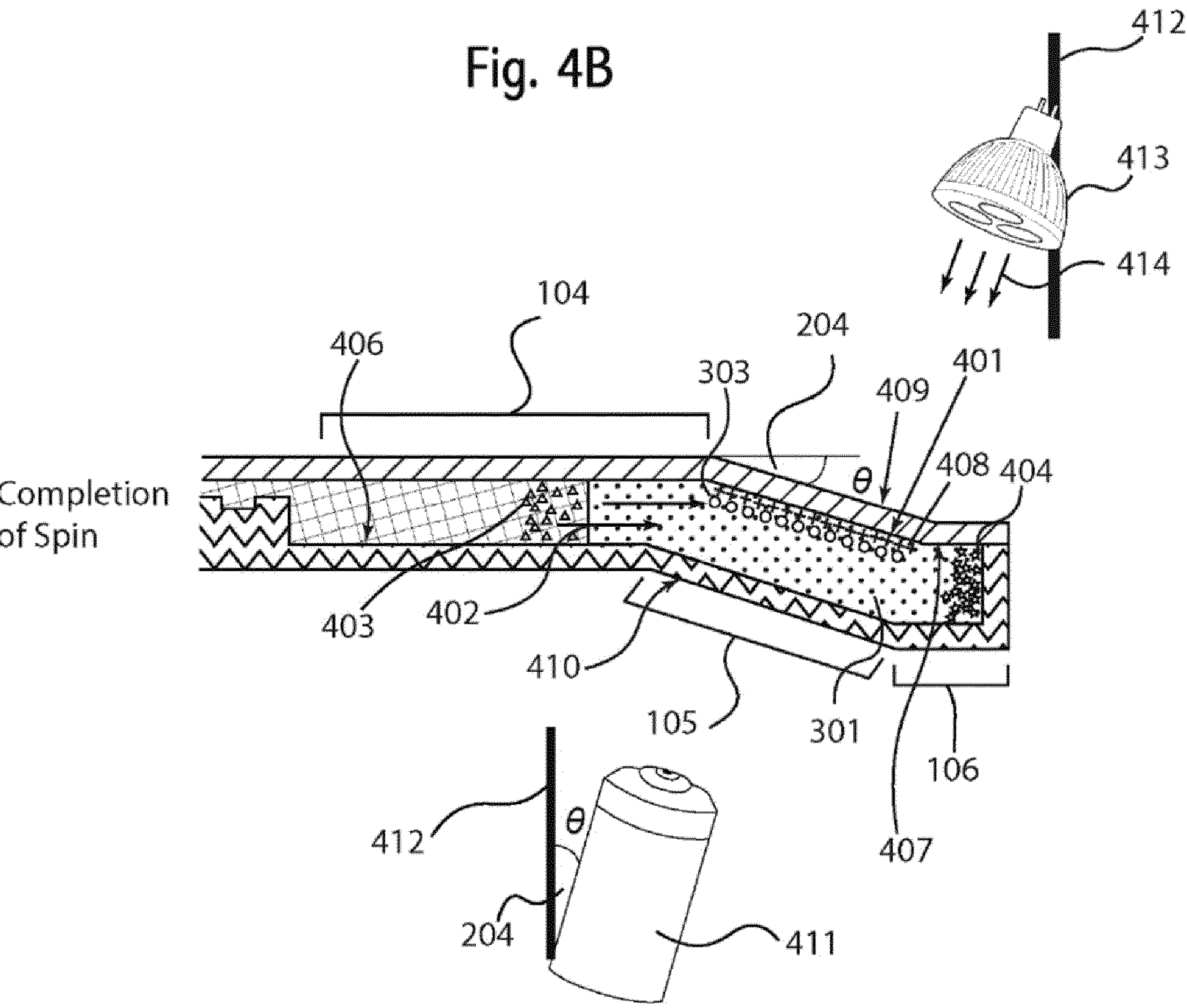
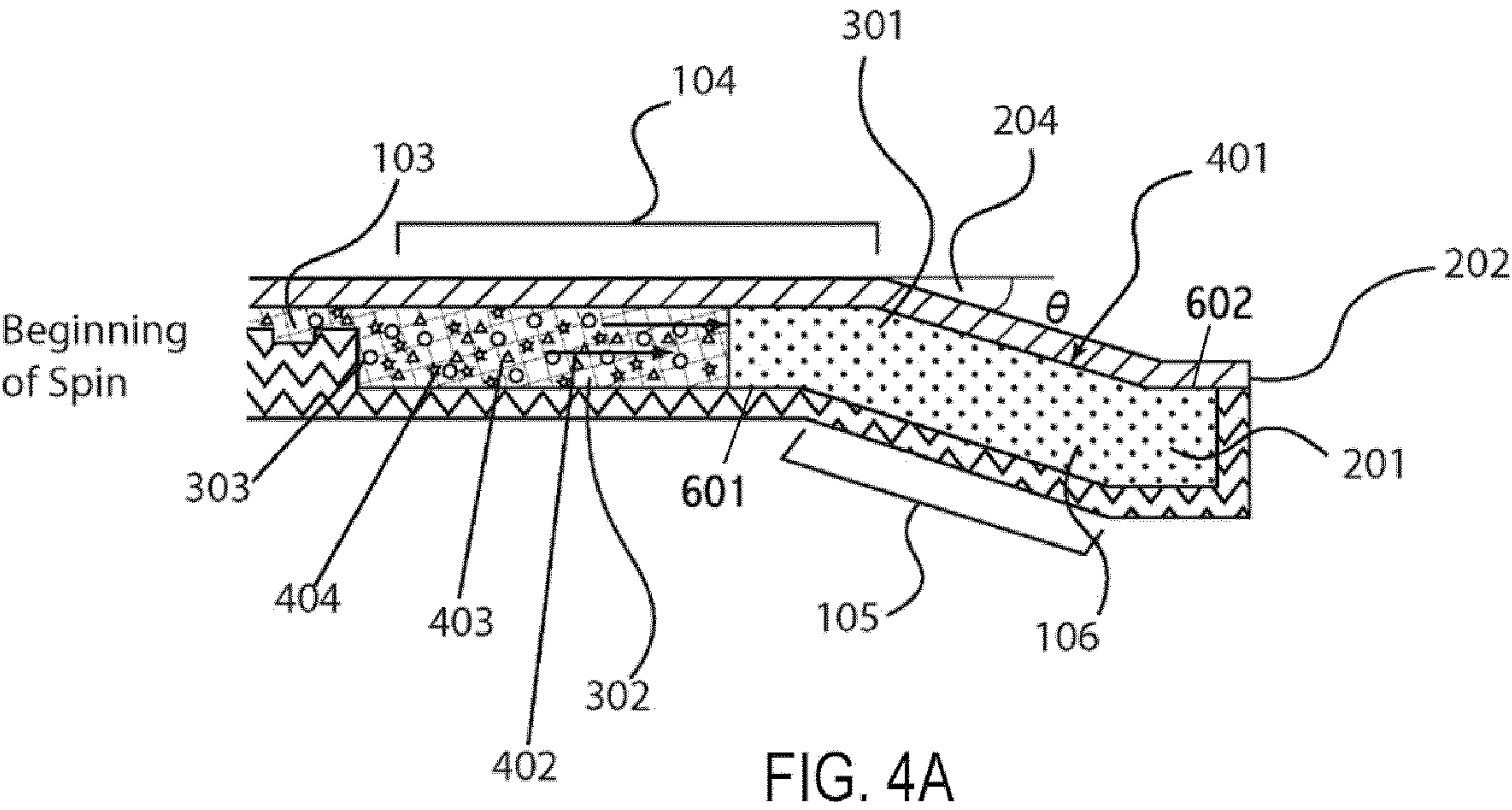


FIG. 3B



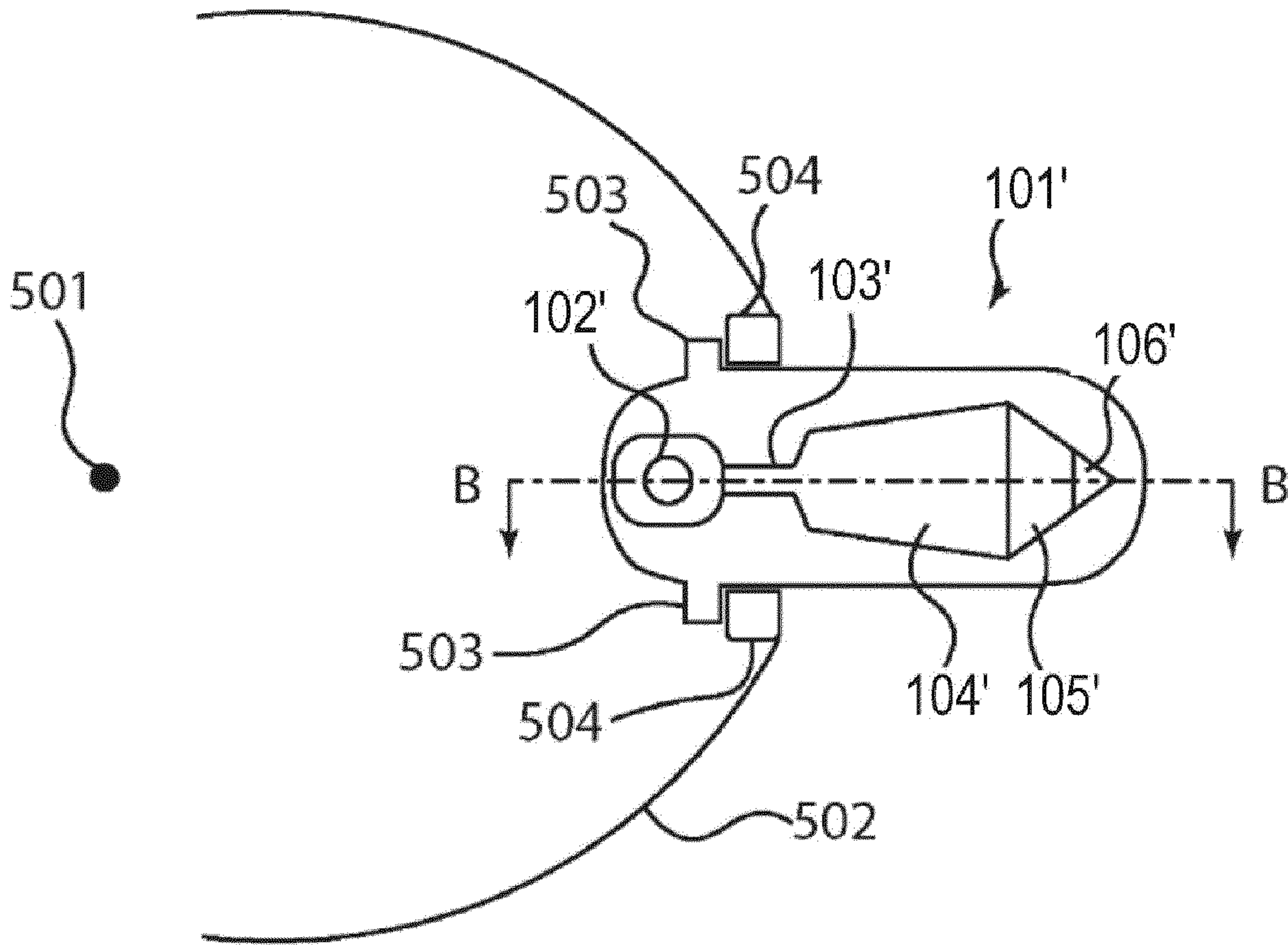
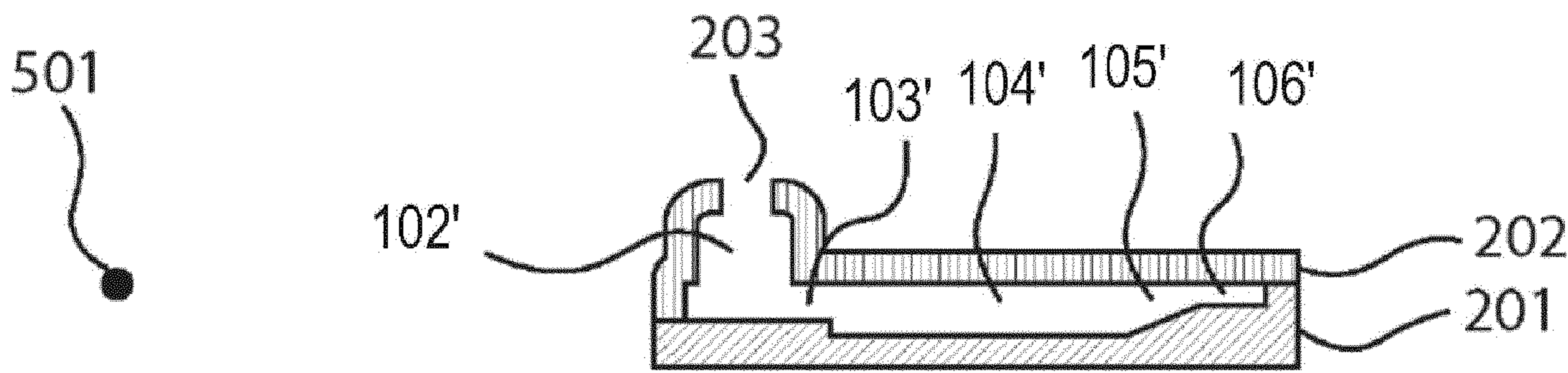


FIG. 5A



CROSS-SECTION B-B

FIG. 5B

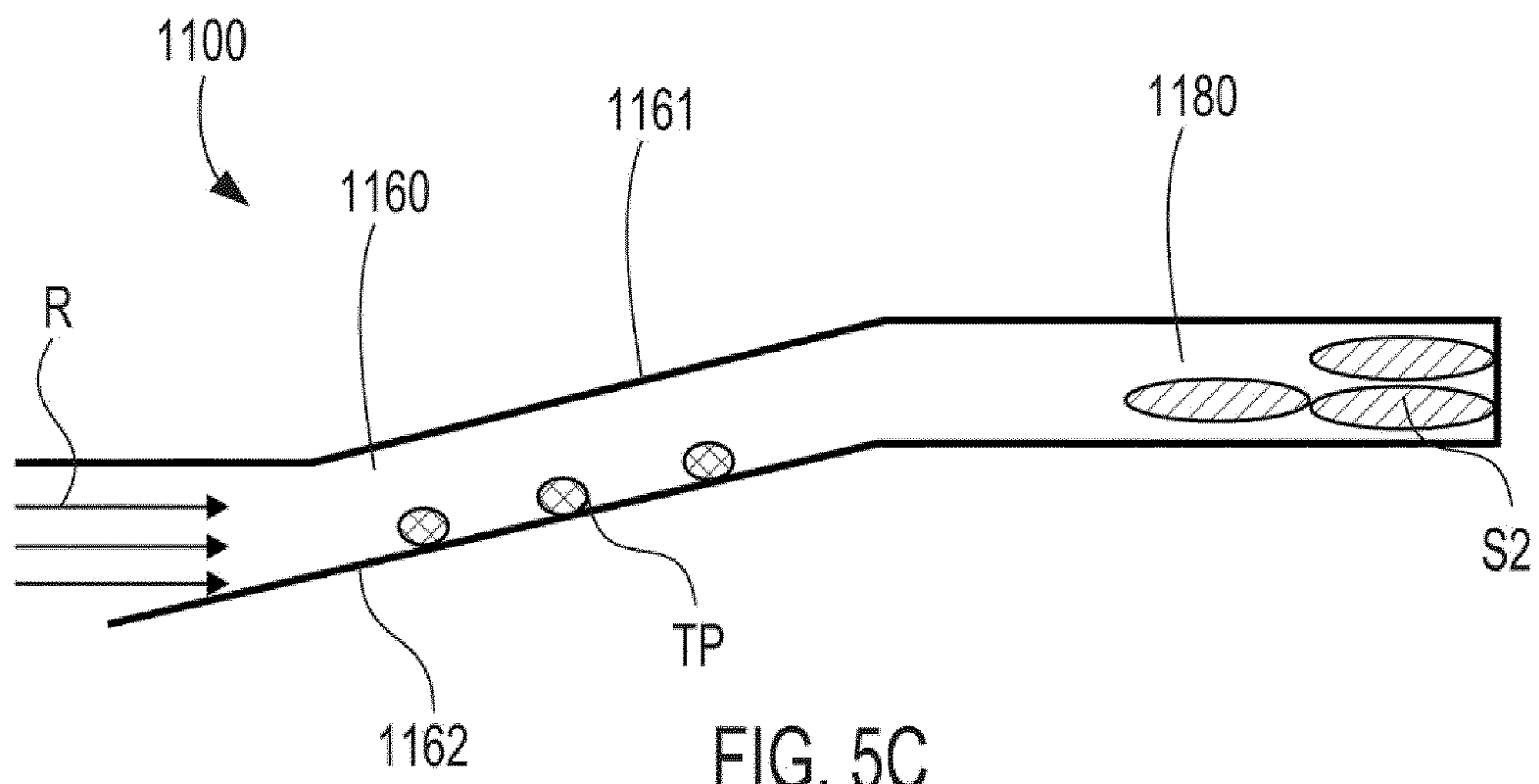


FIG. 5C

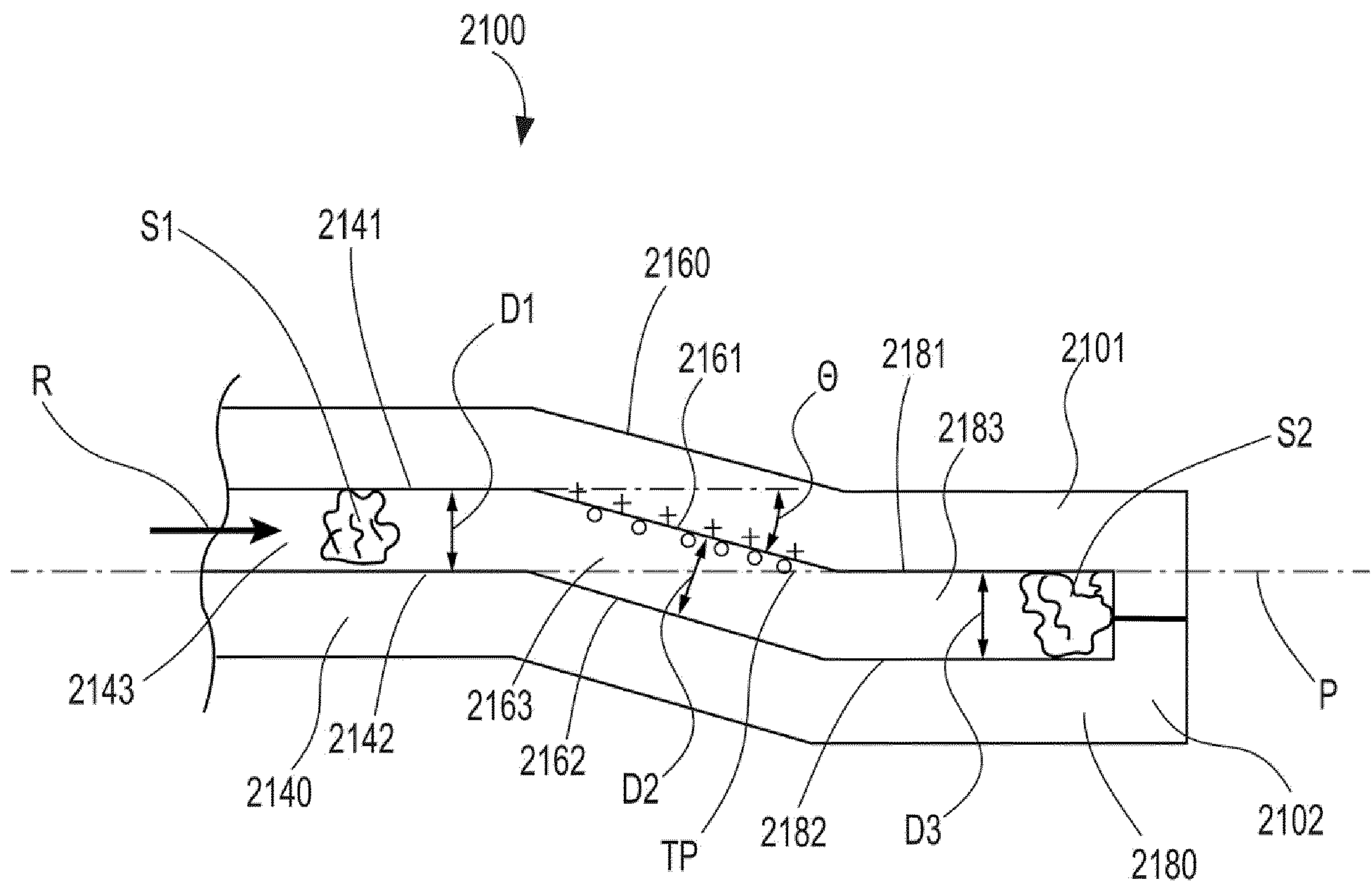


FIG. 6

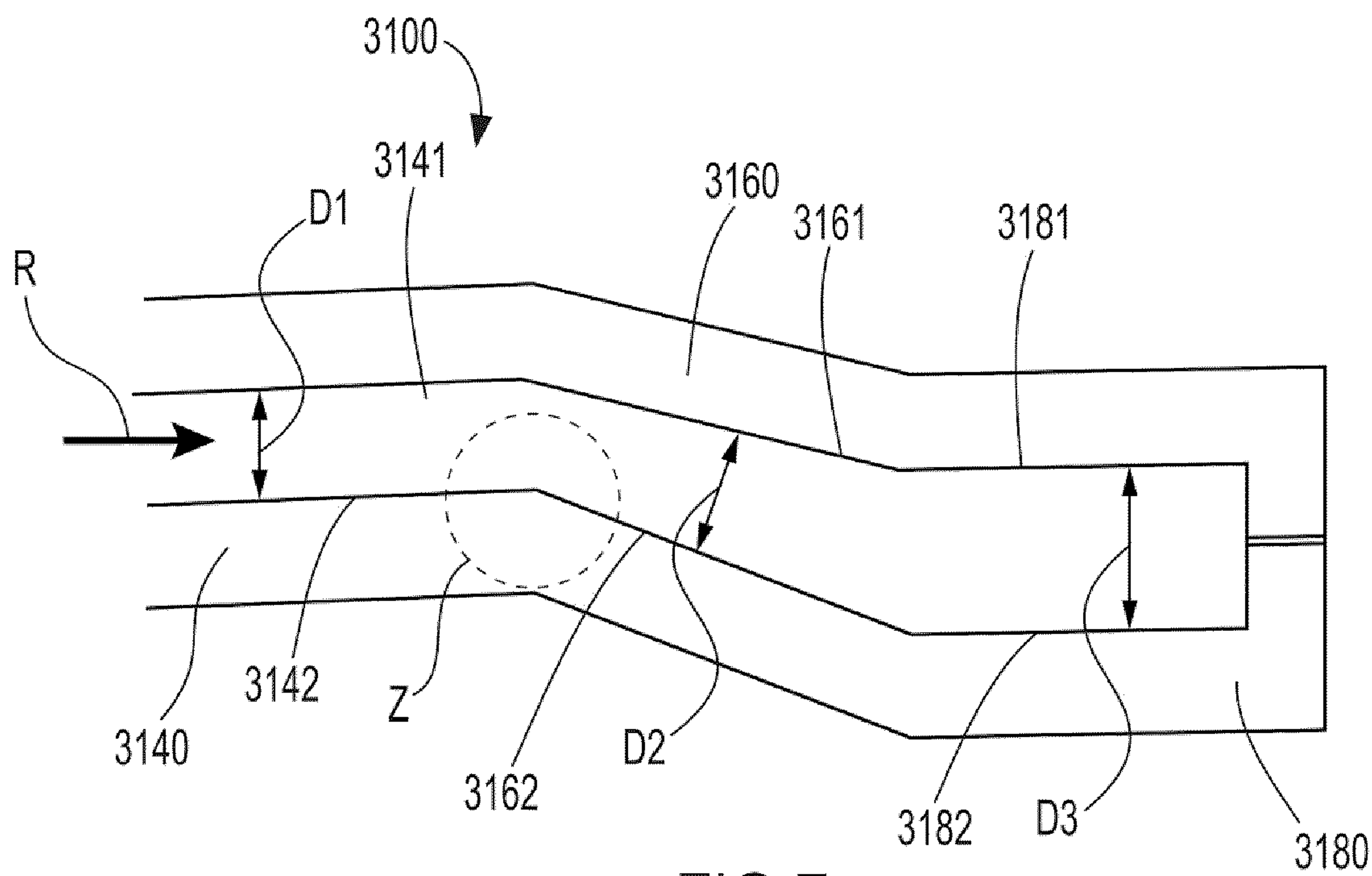


FIG. 7

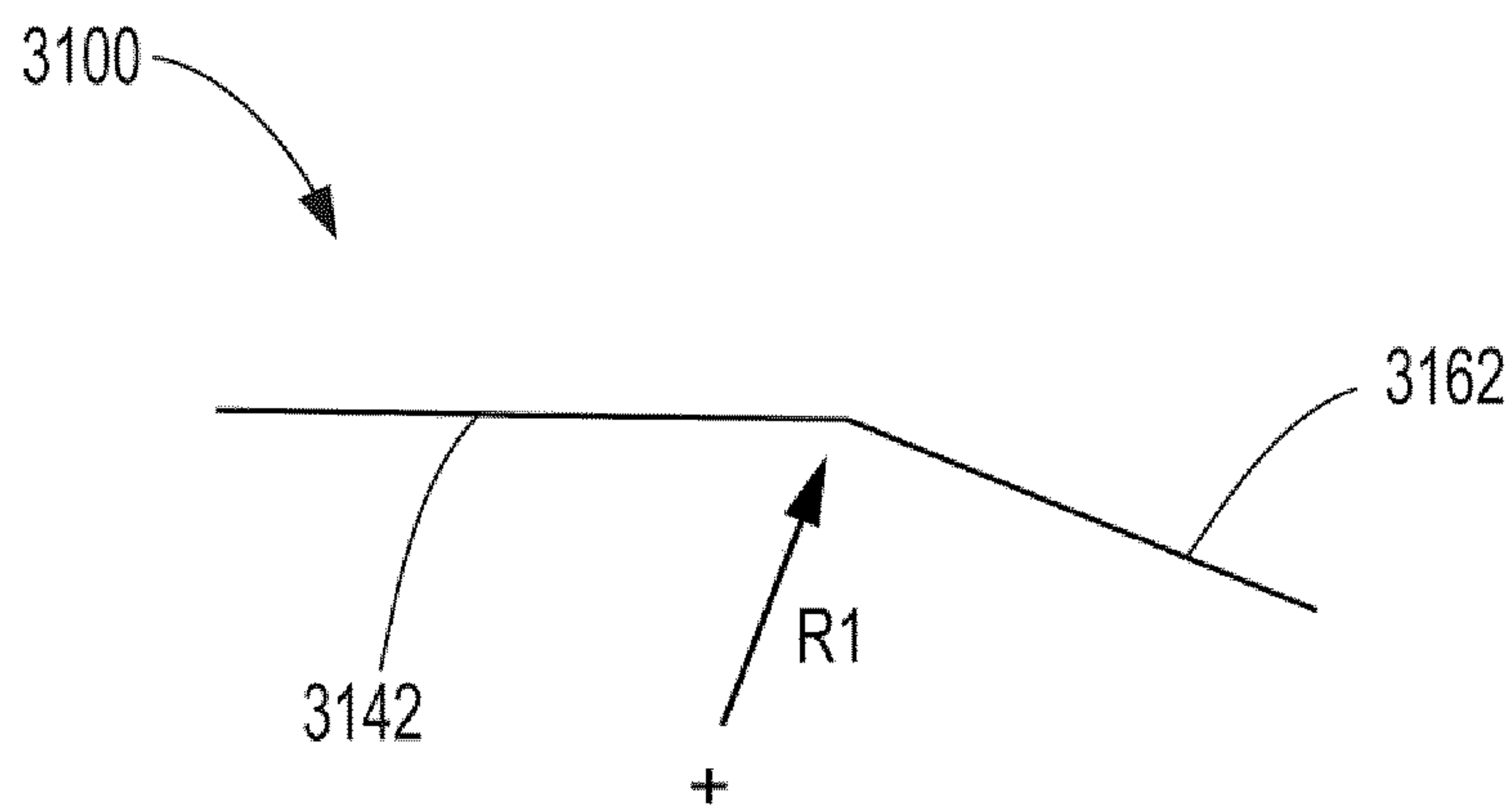


FIG. 8A

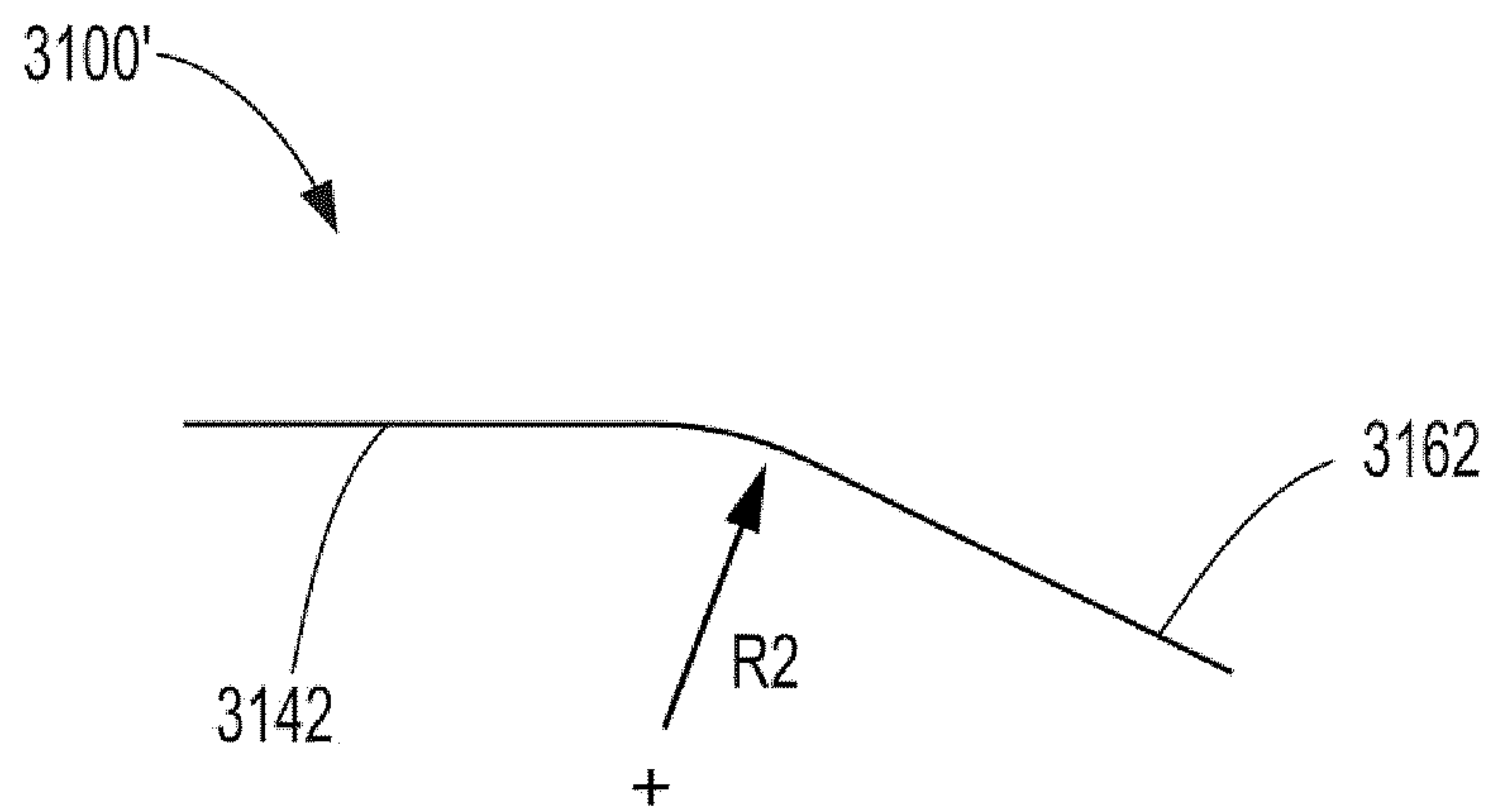
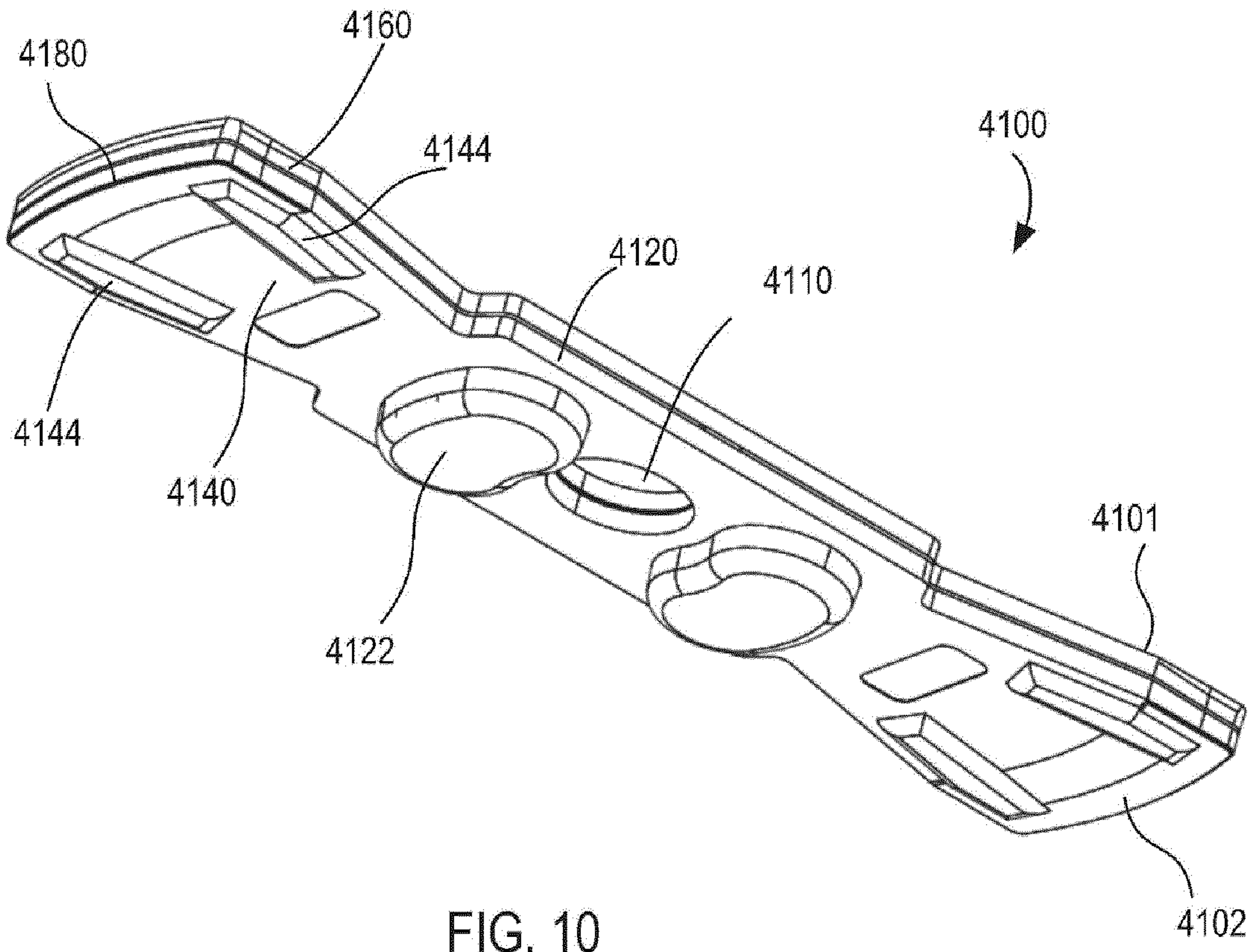
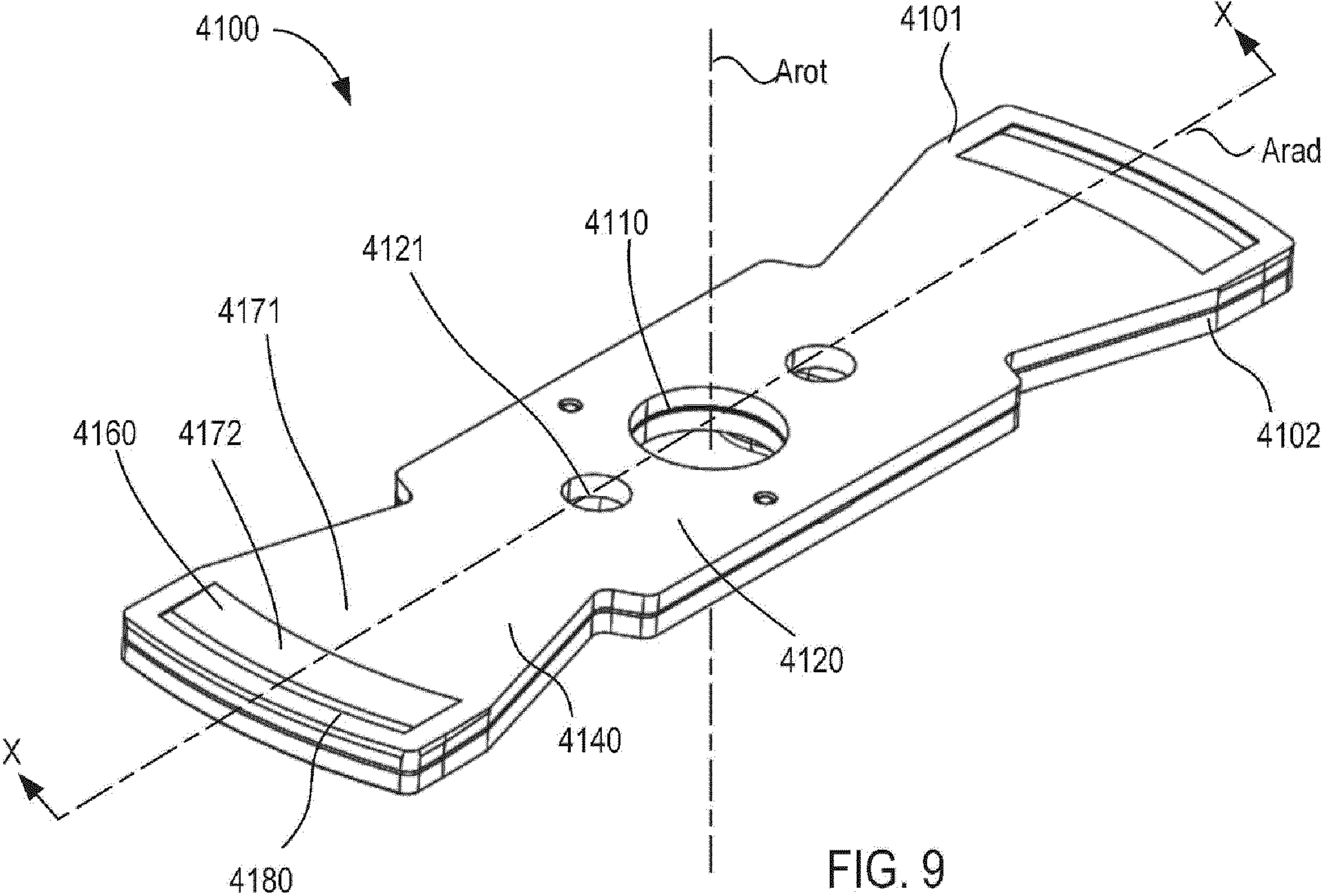


FIG. 8B



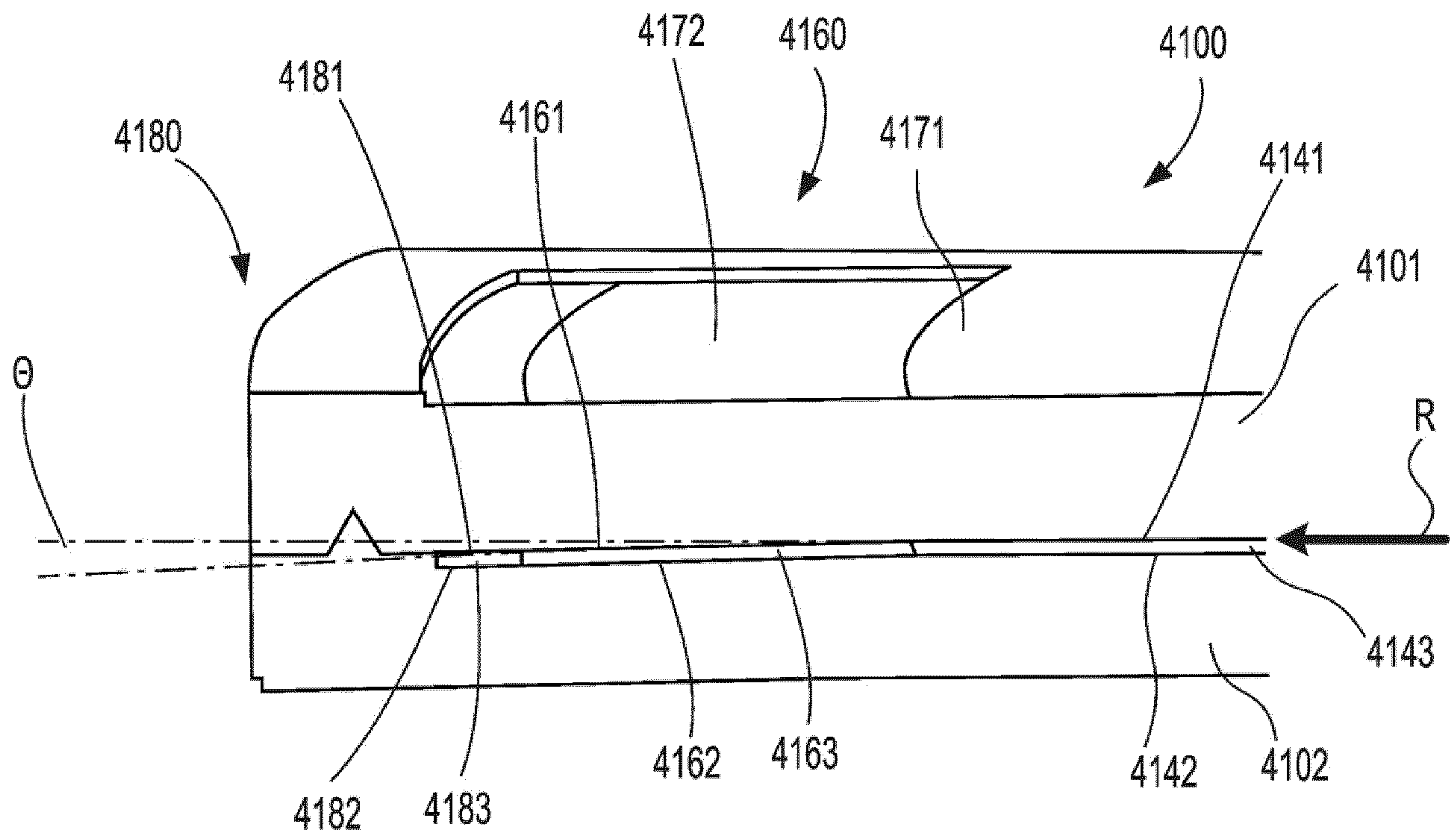


FIG. 11

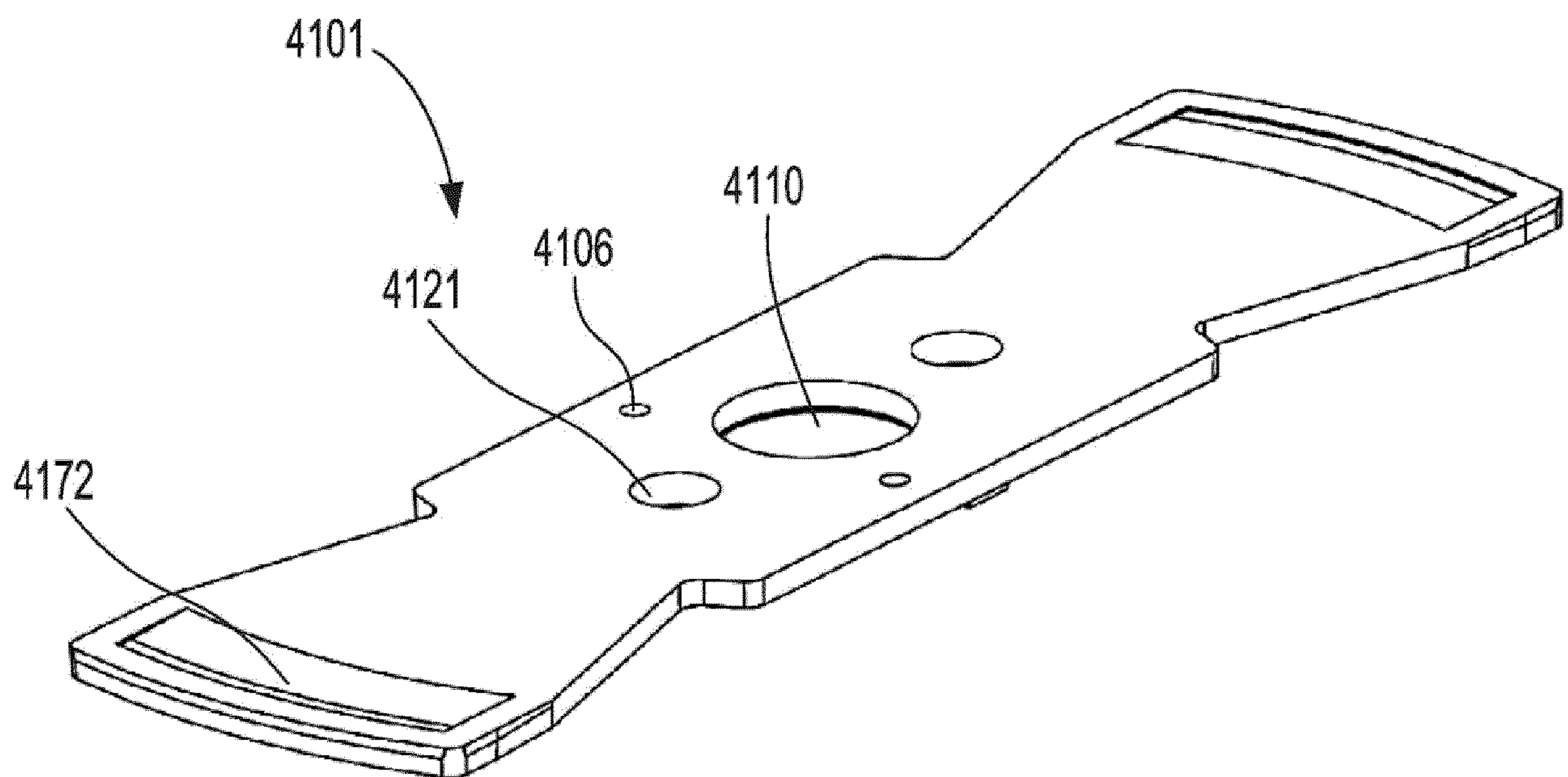


FIG. 12

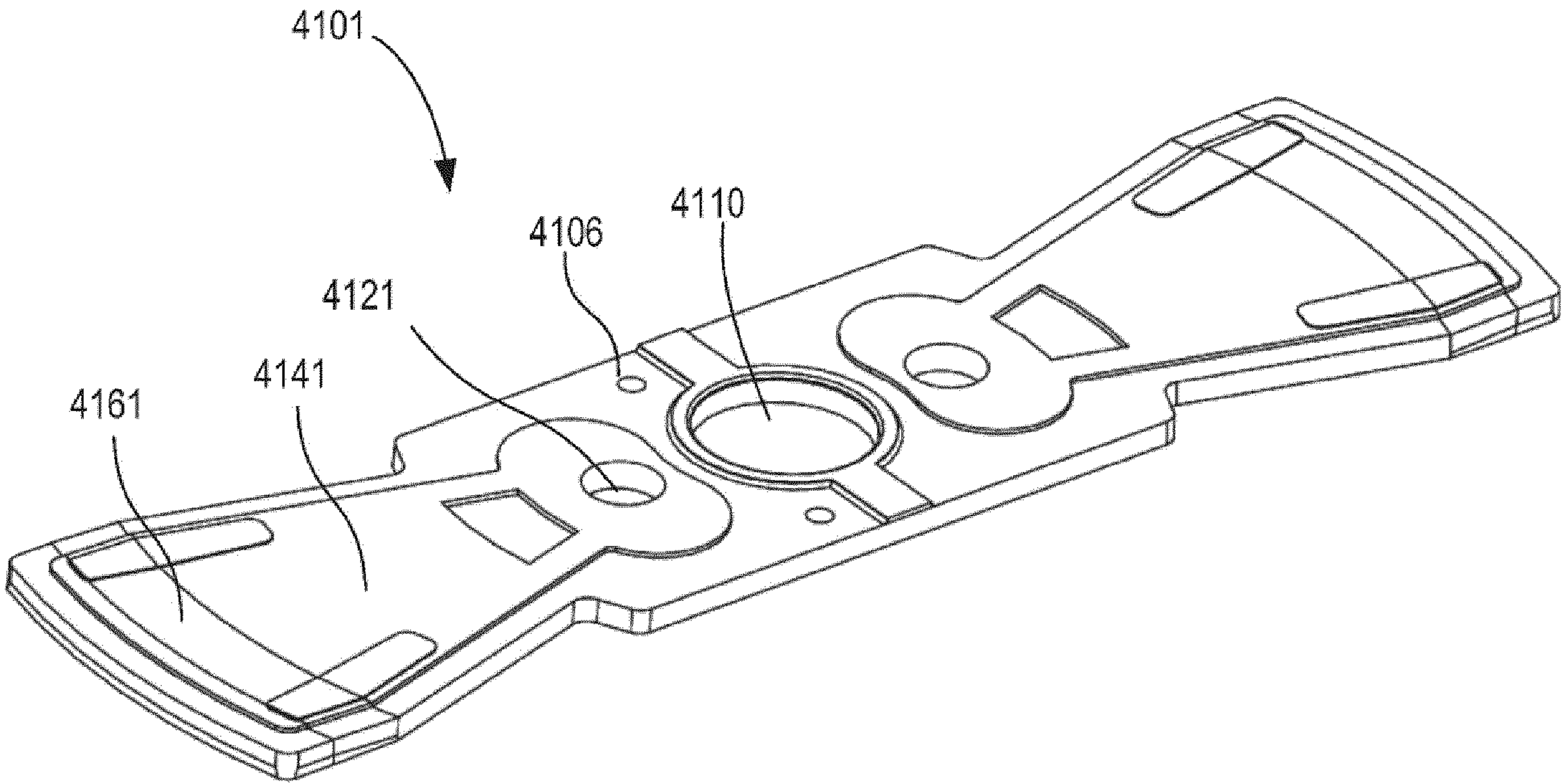


FIG. 13

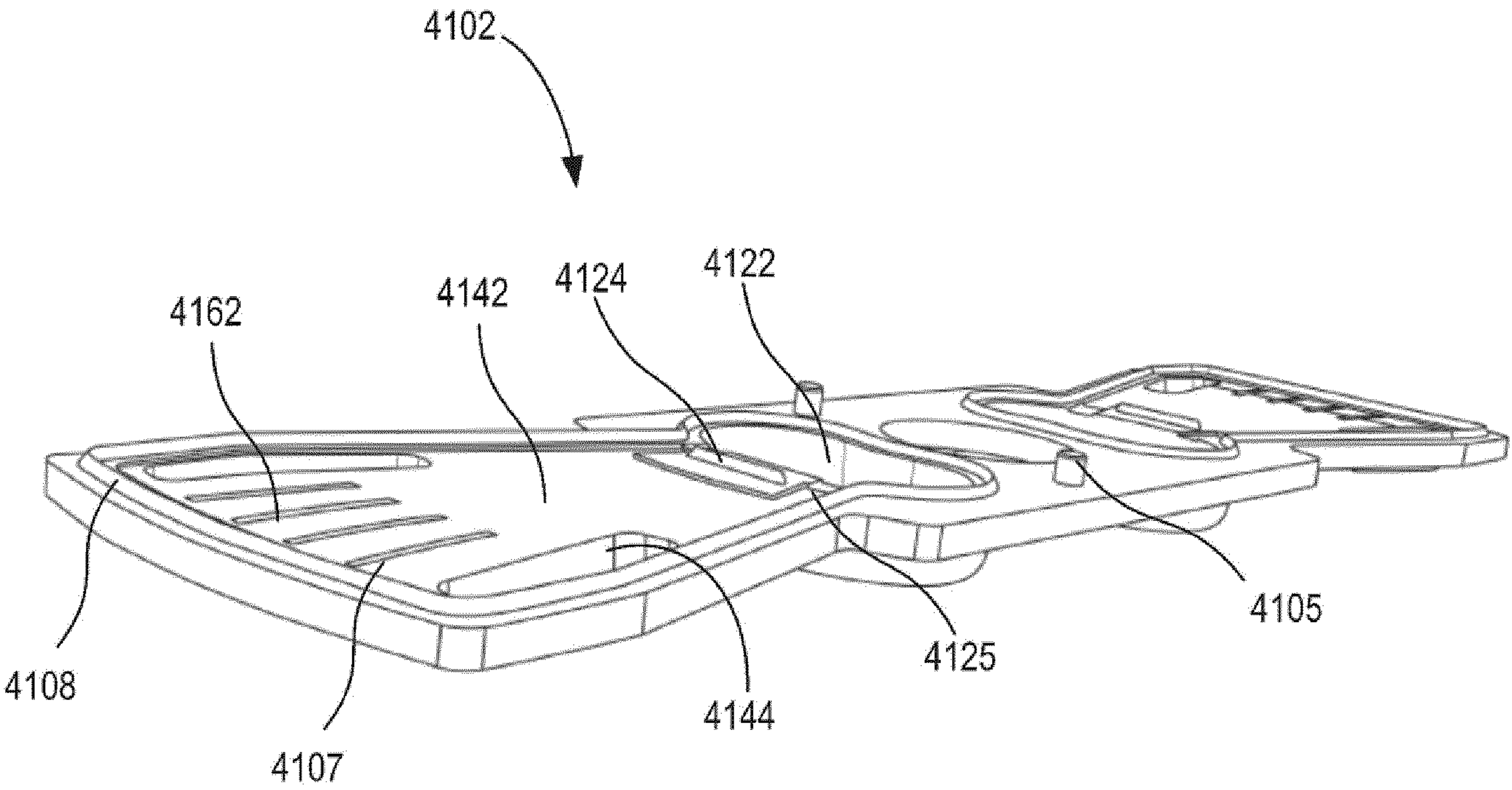


FIG. 14

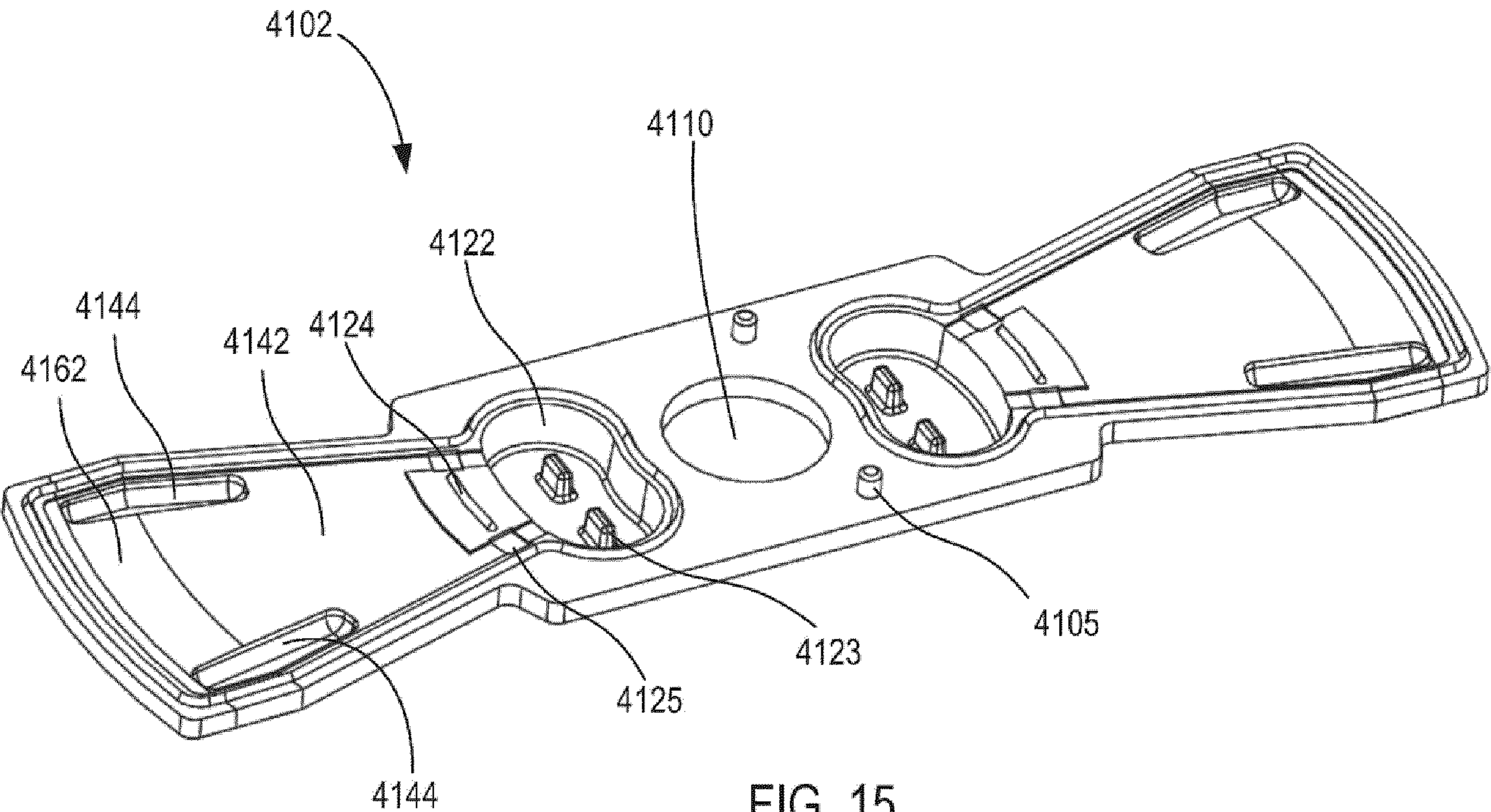


FIG. 15

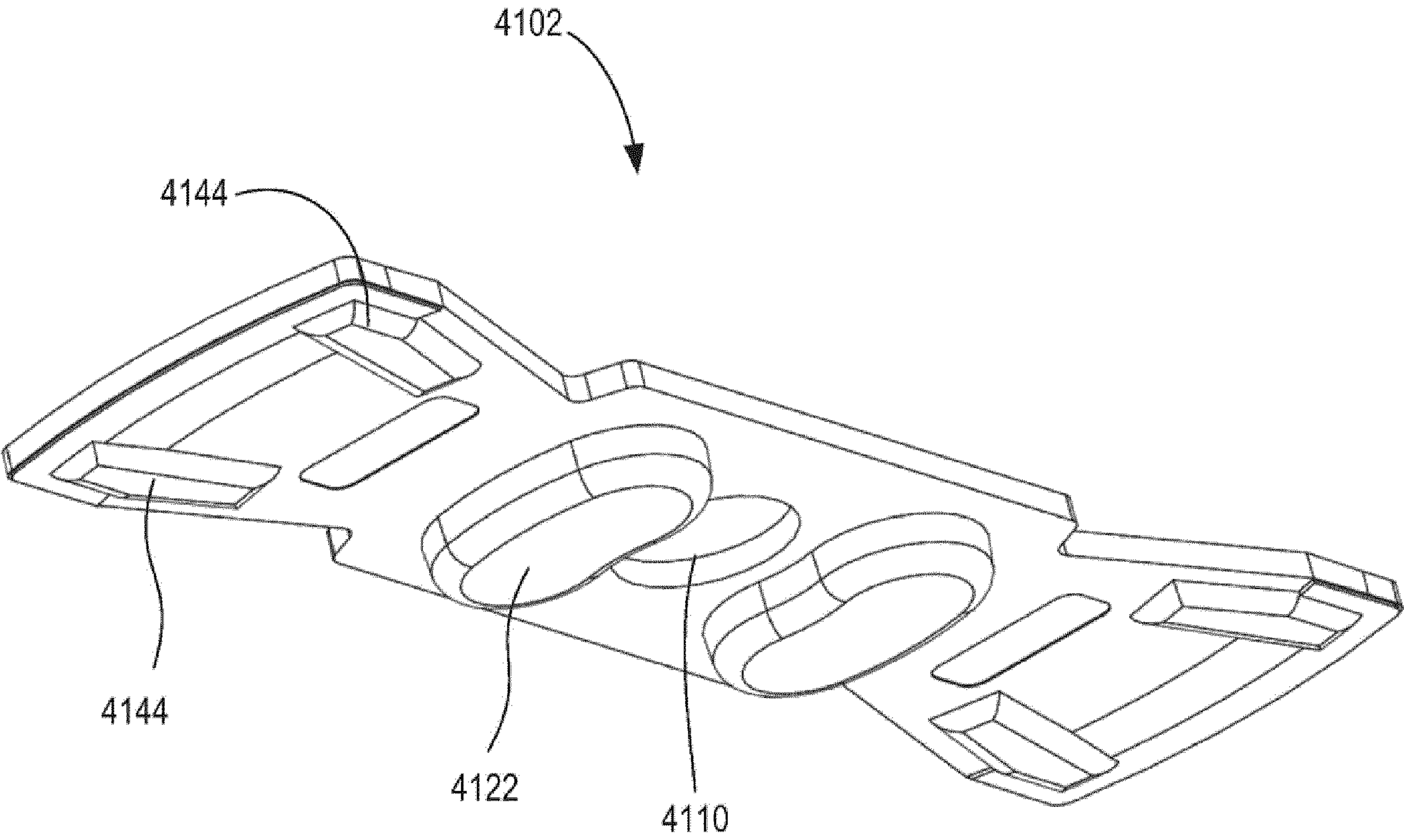


FIG. 16

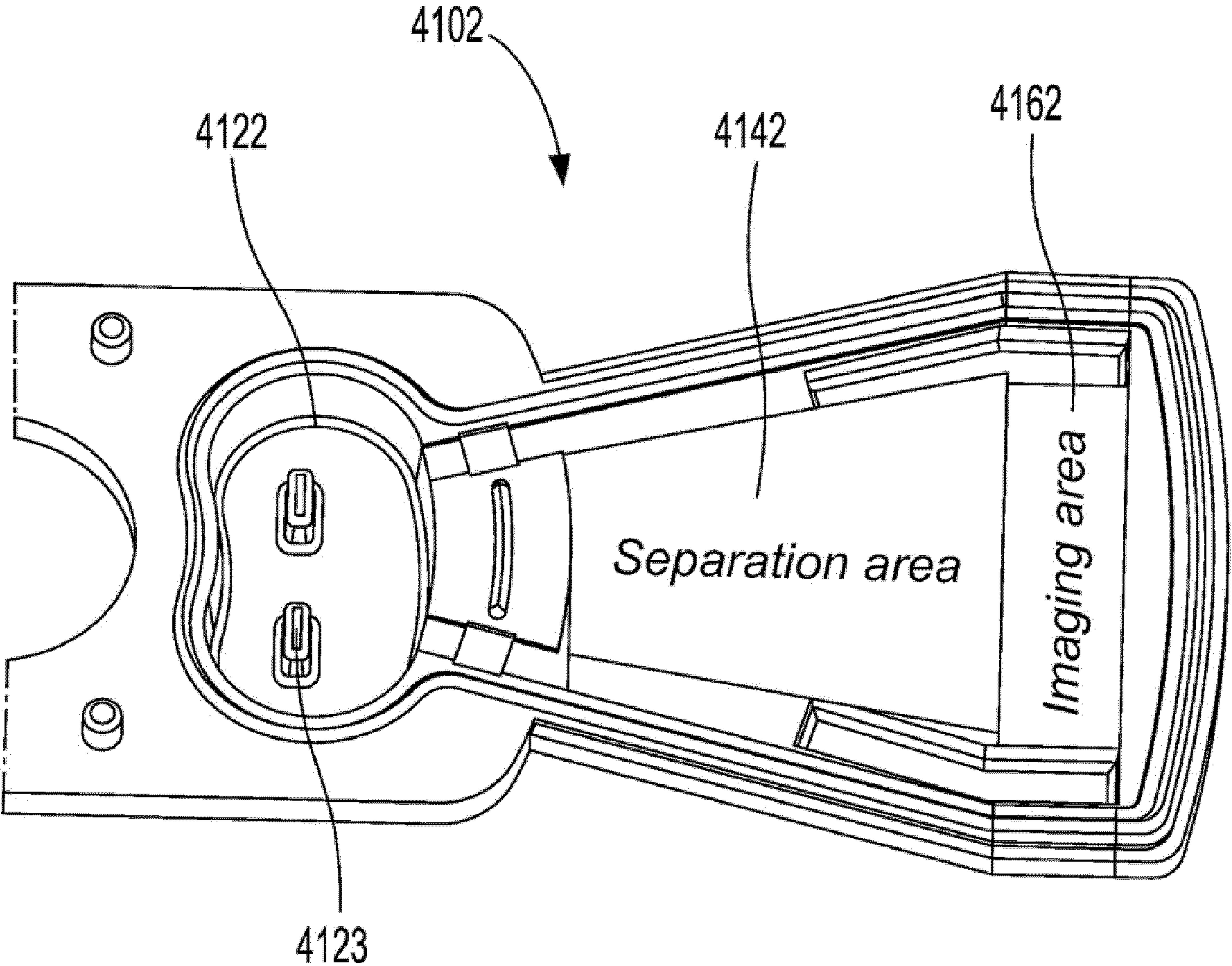


FIG. 17

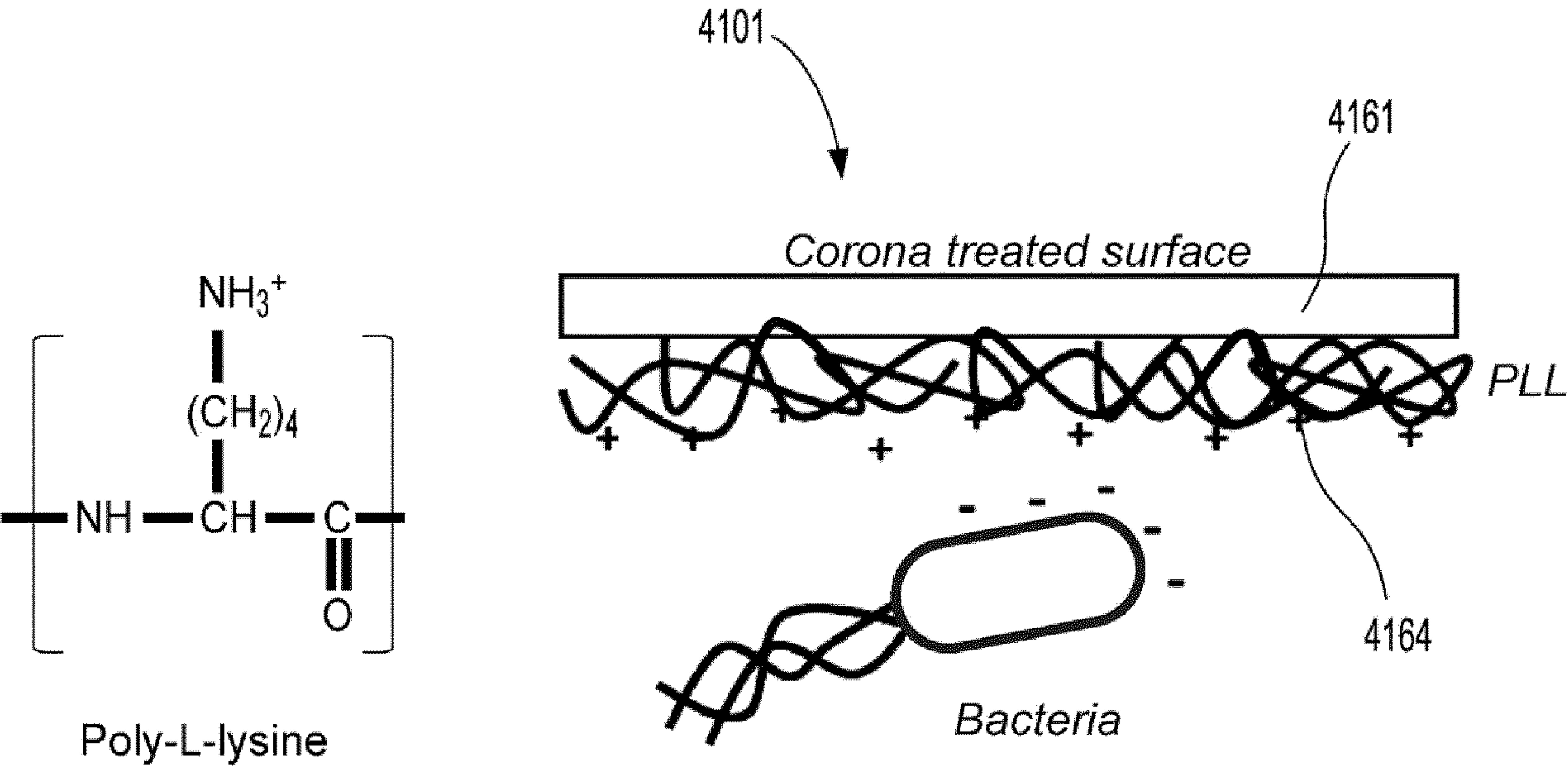


FIG. 18

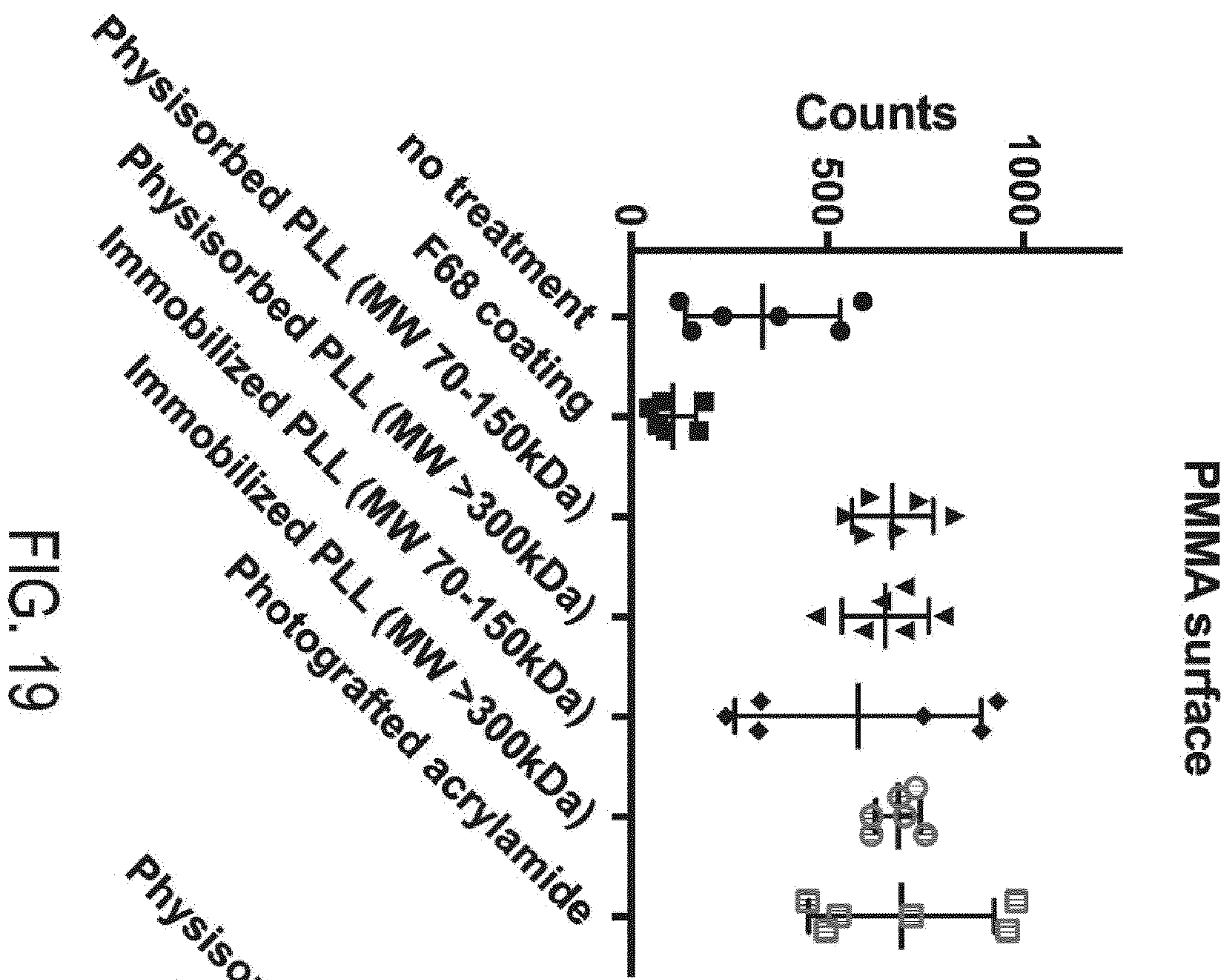


FIG. 19

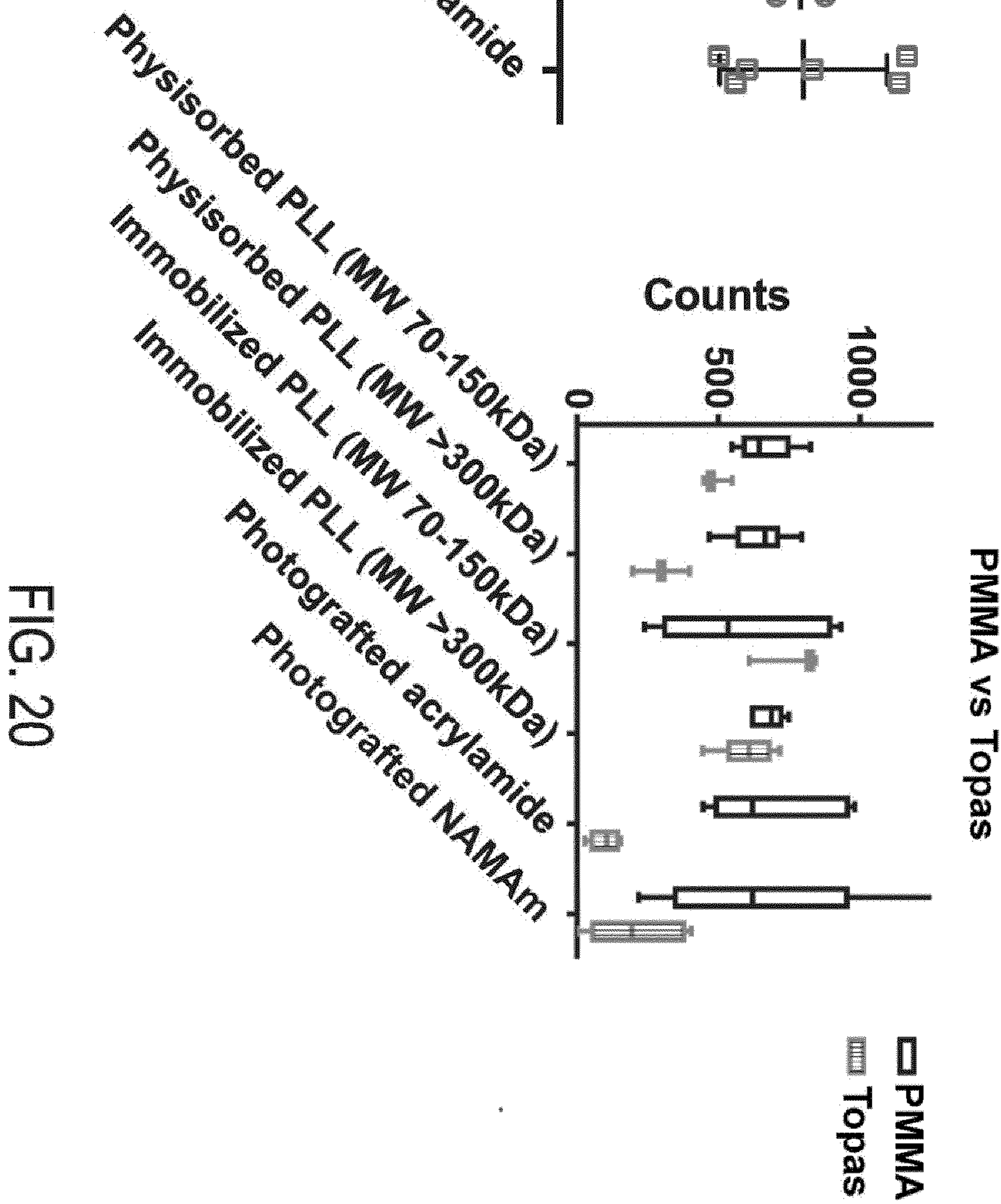


FIG. 20

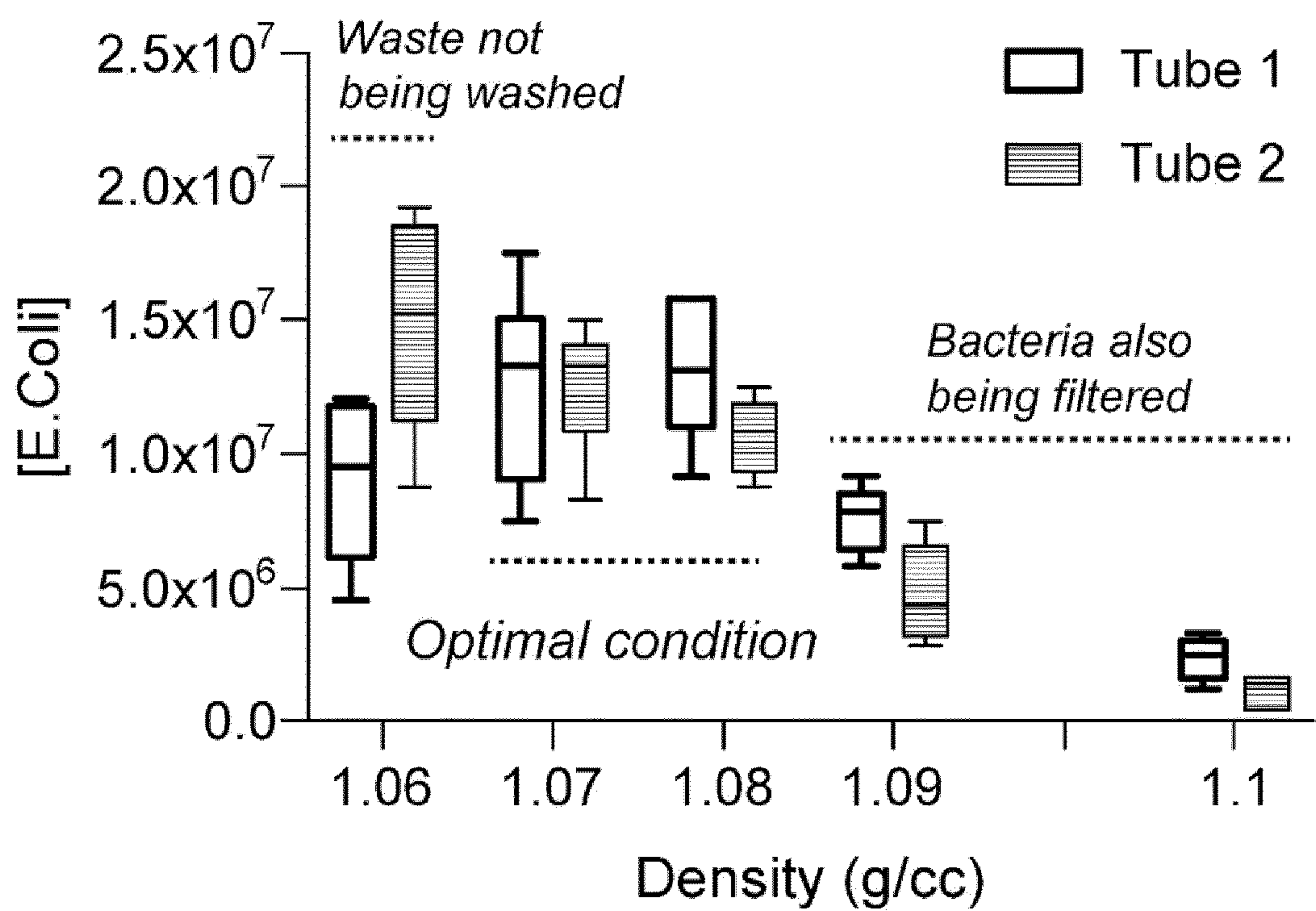


FIG. 21

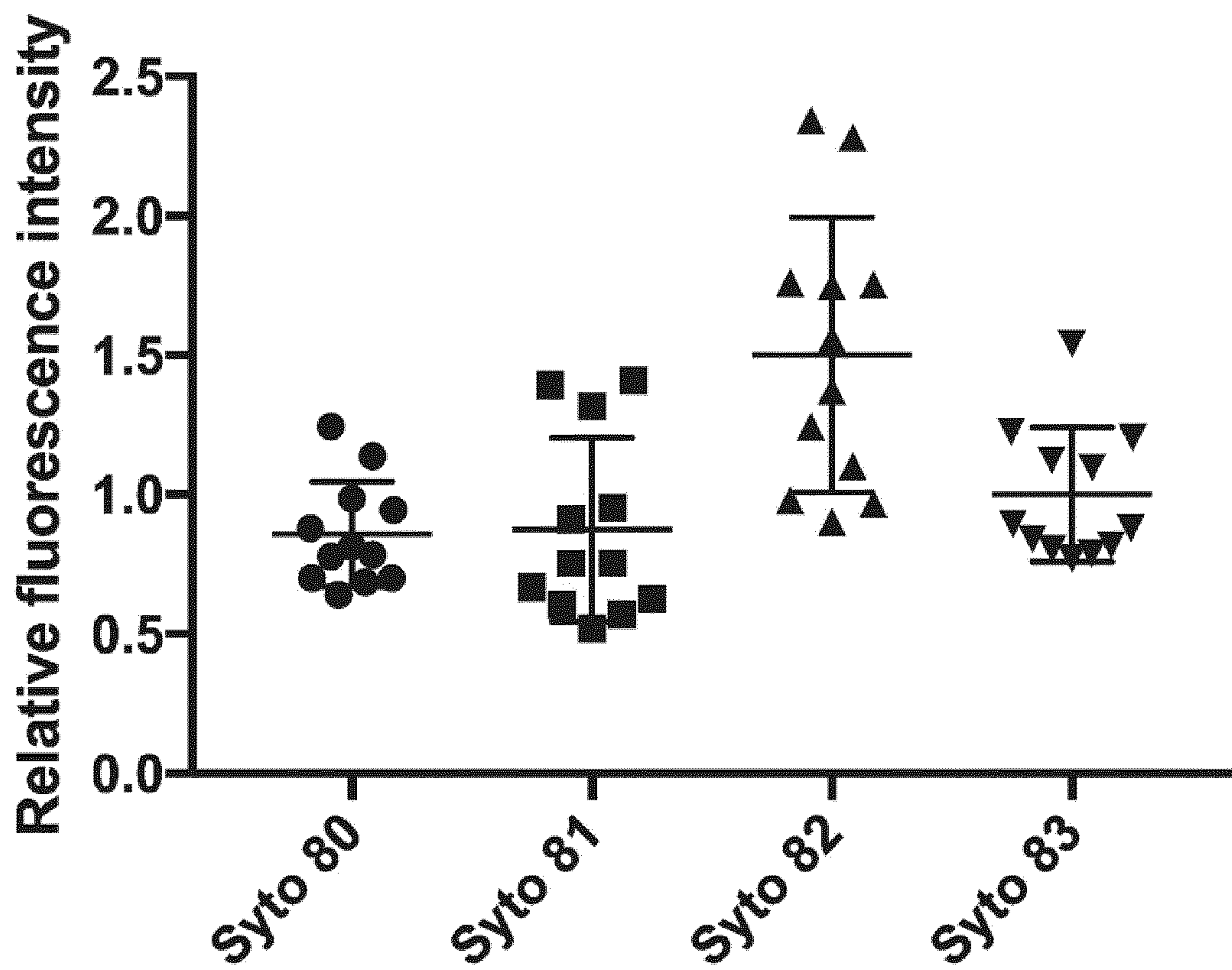


FIG. 22

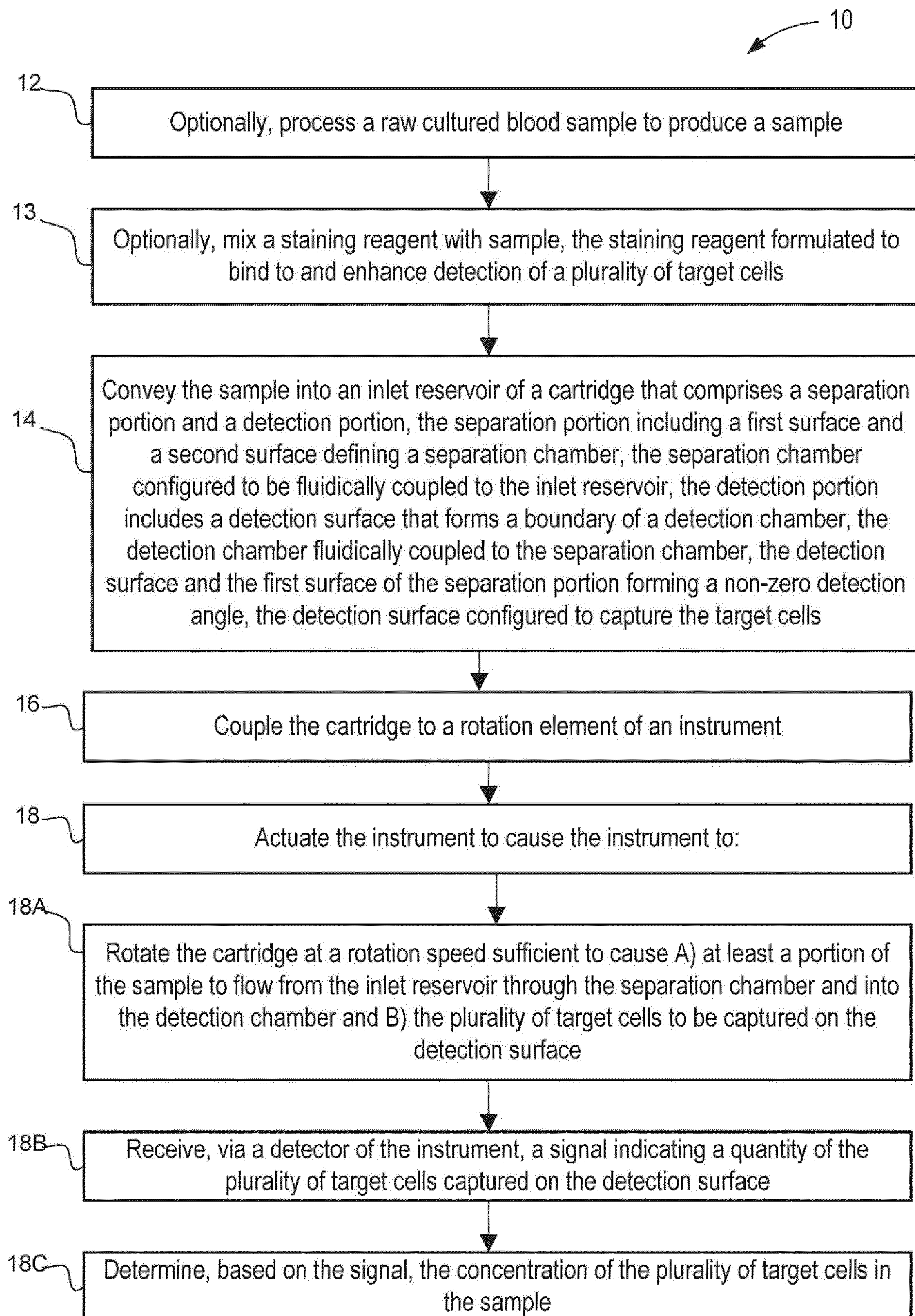


FIG. 23

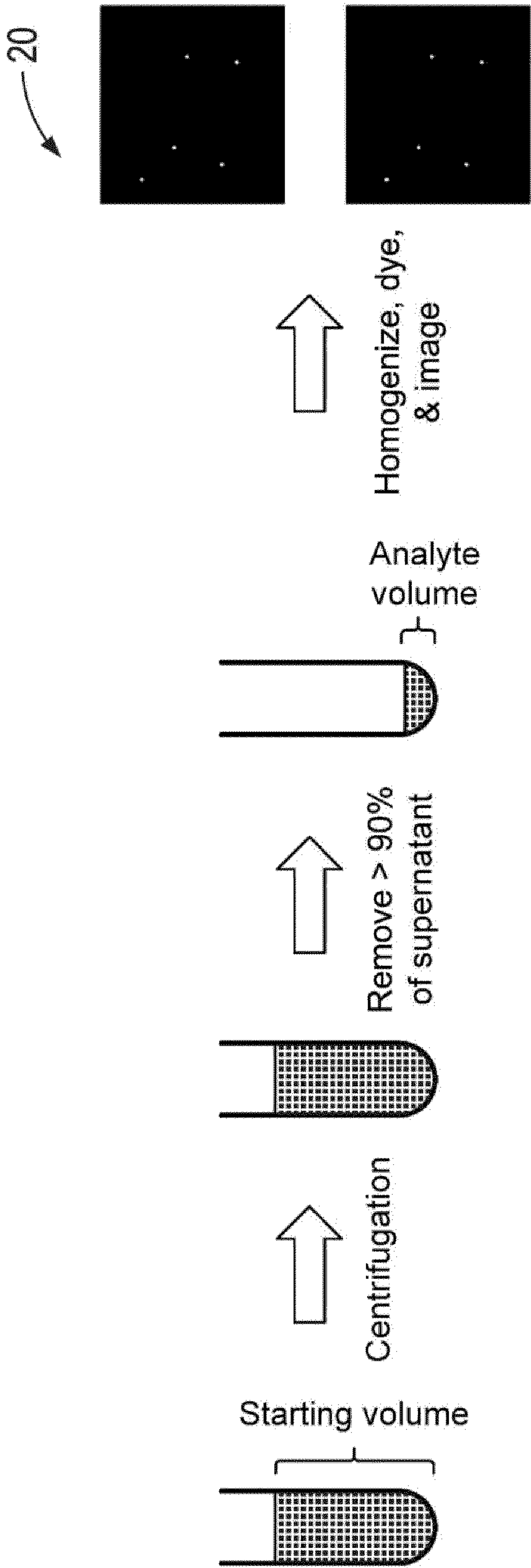


FIG. 24A

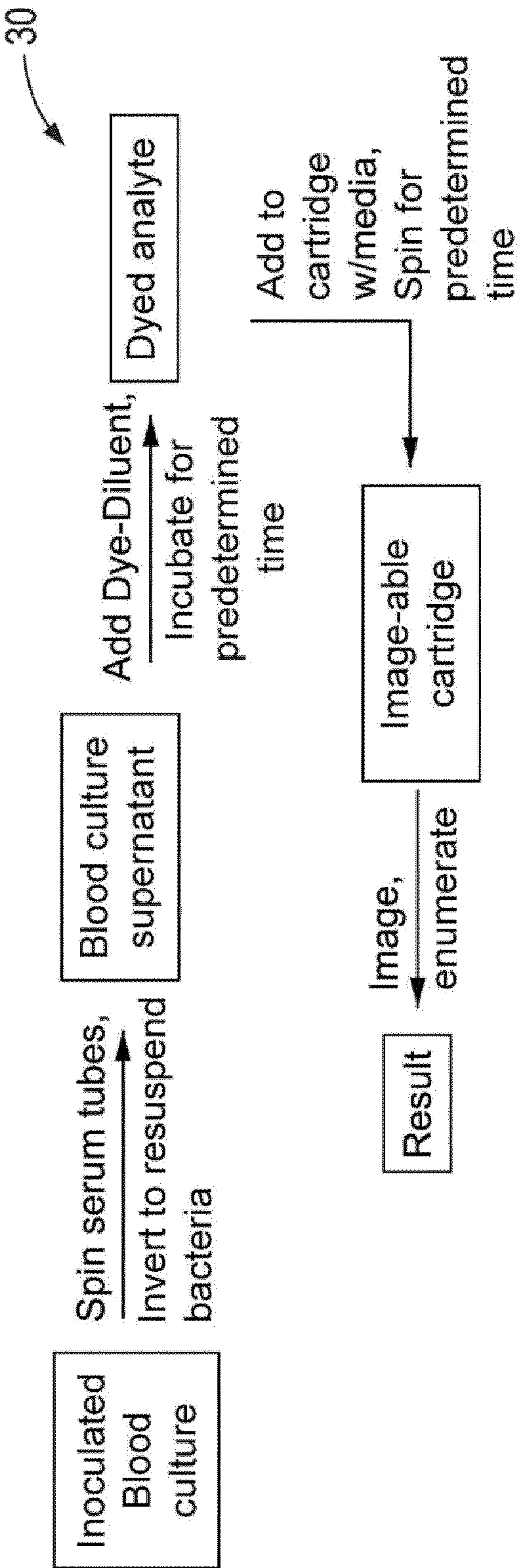


FIG. 24B

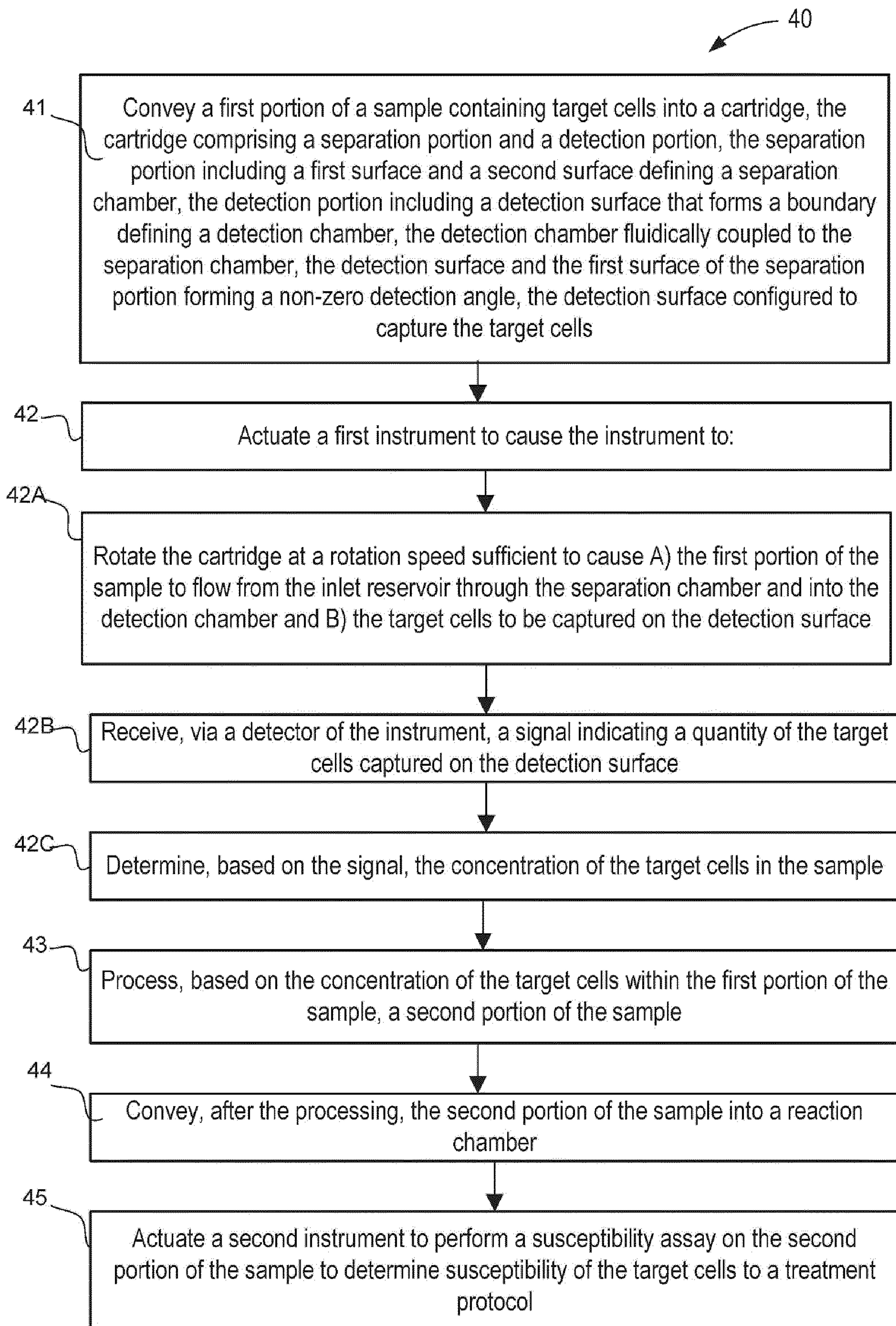


FIG. 25

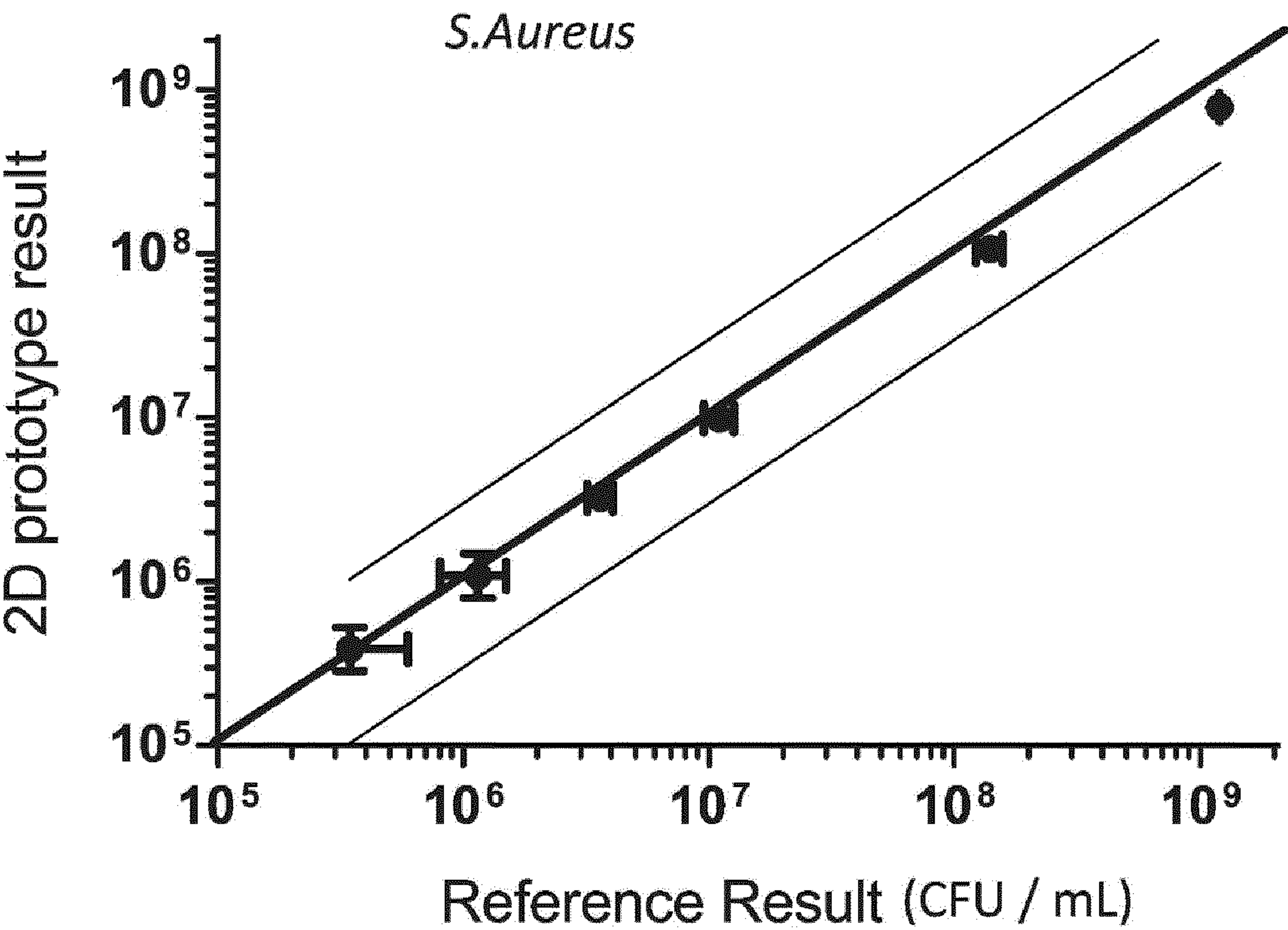


FIG. 26A

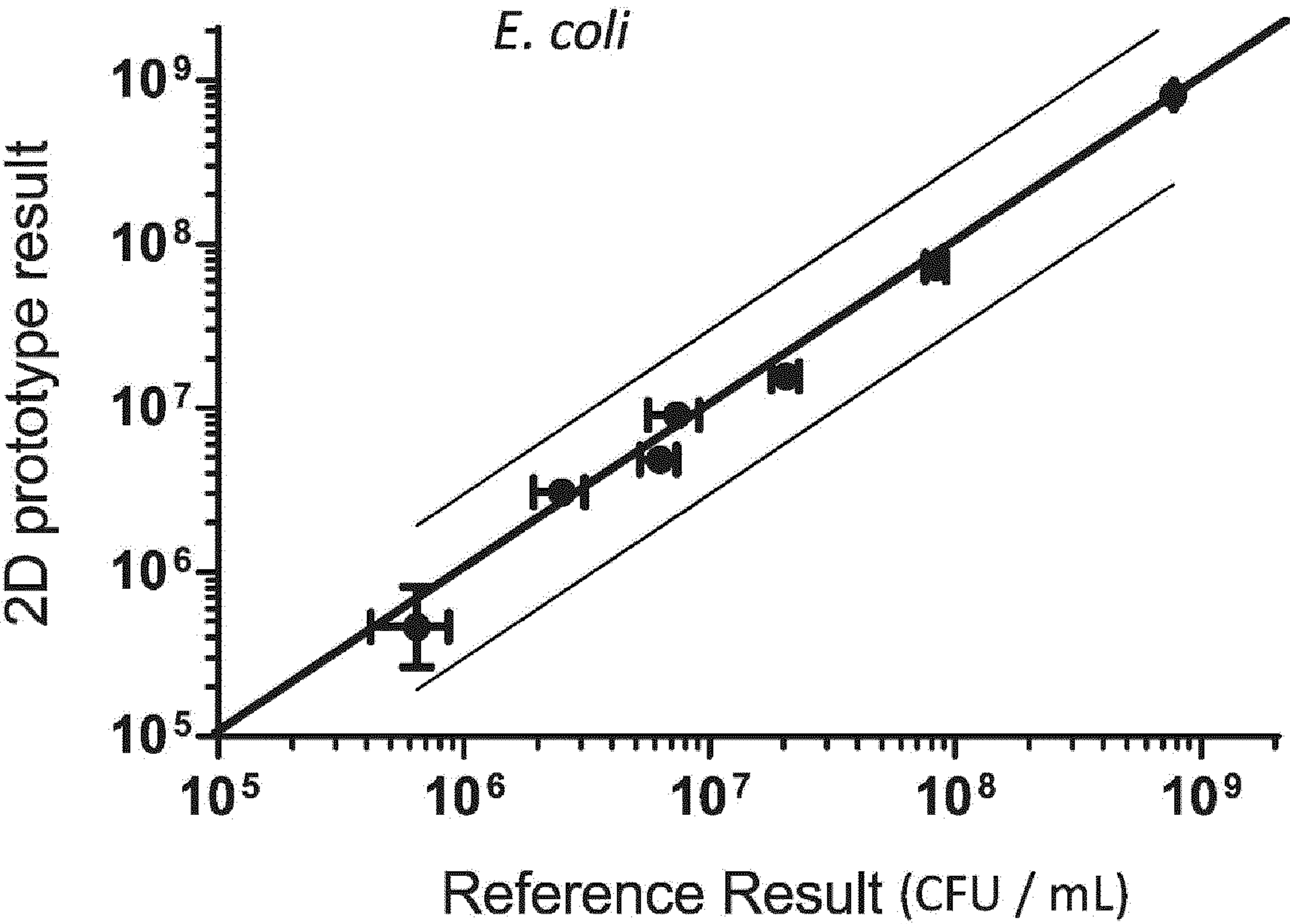


FIG. 26B

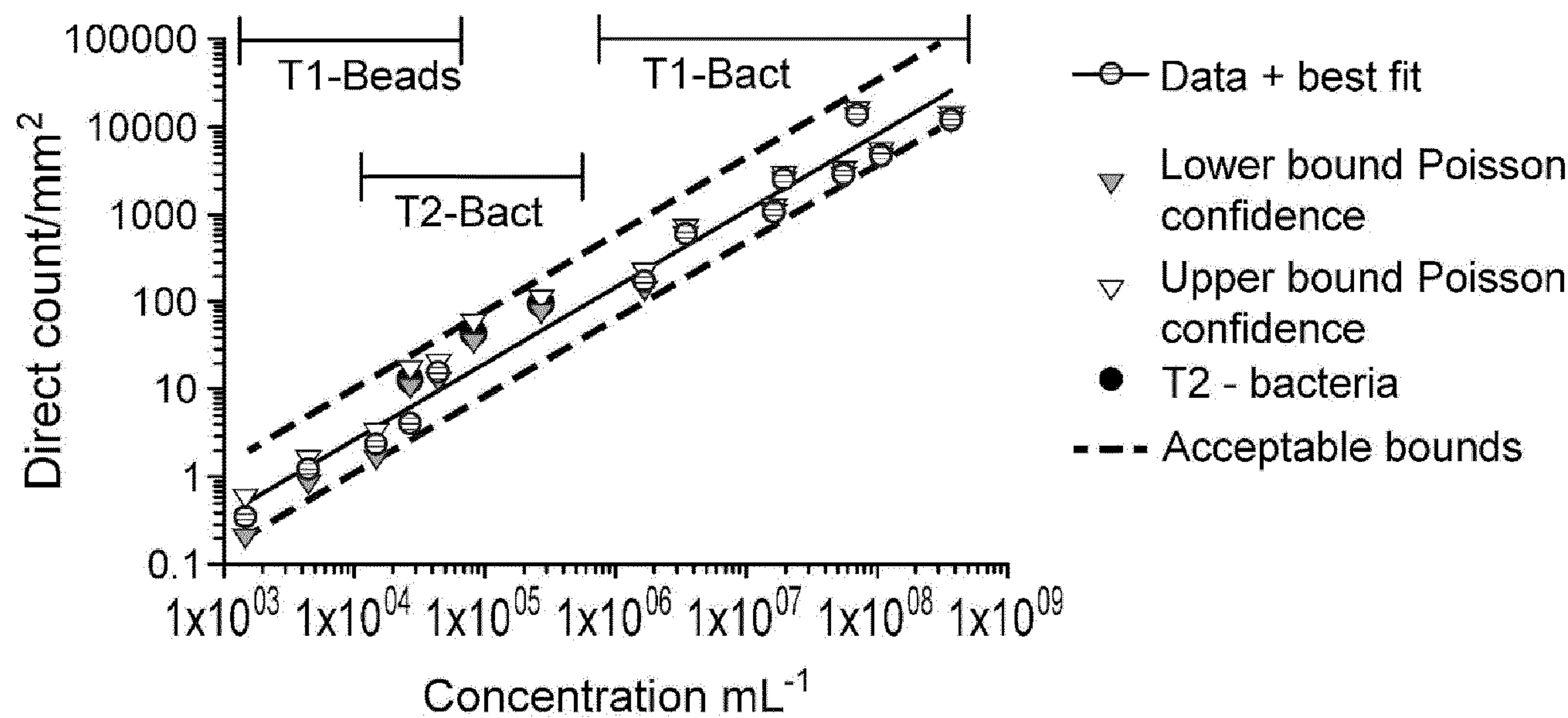


FIG. 27

Overnight culture with dynamic range

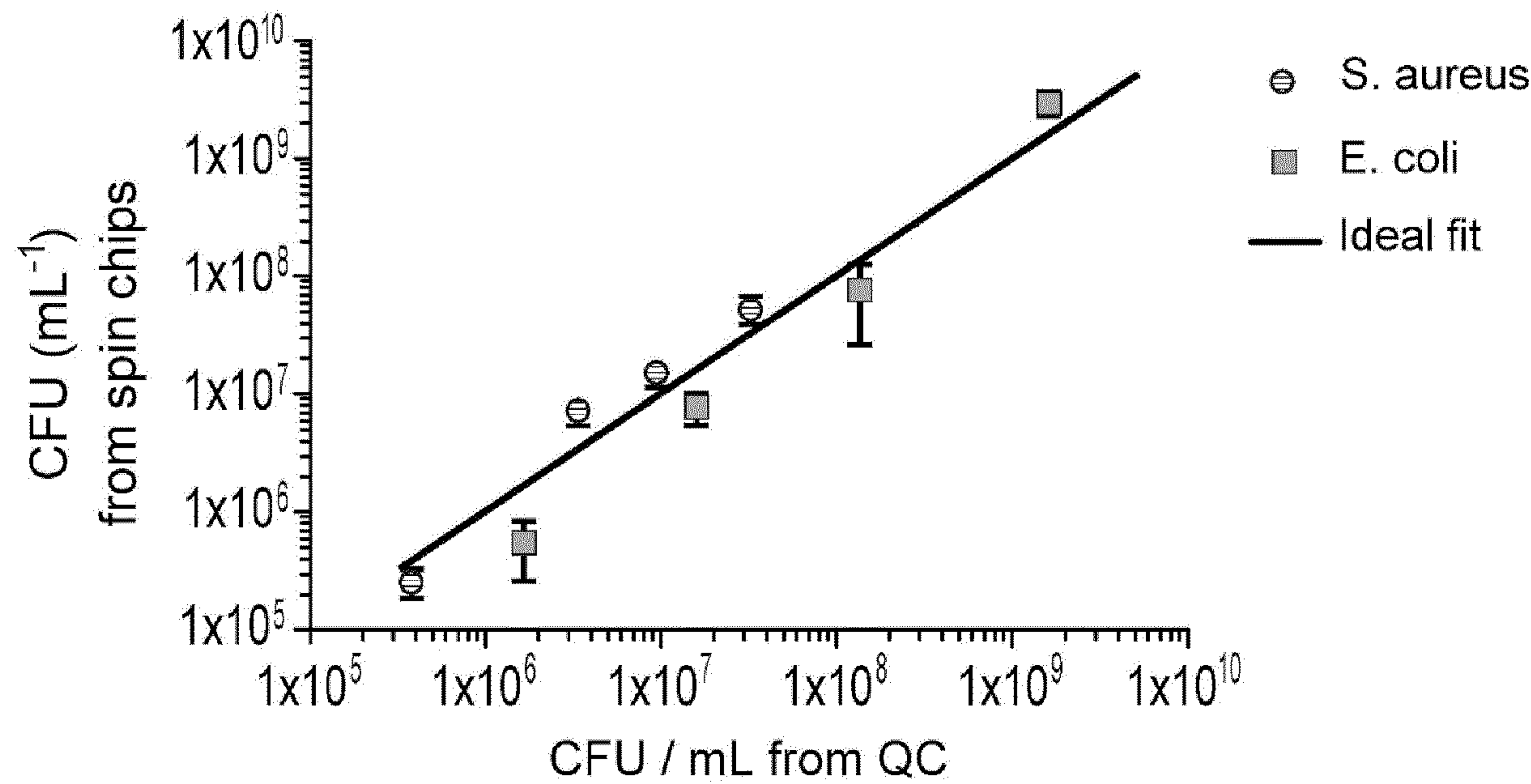


FIG. 28

Correlation Curve for Gram Negative Species

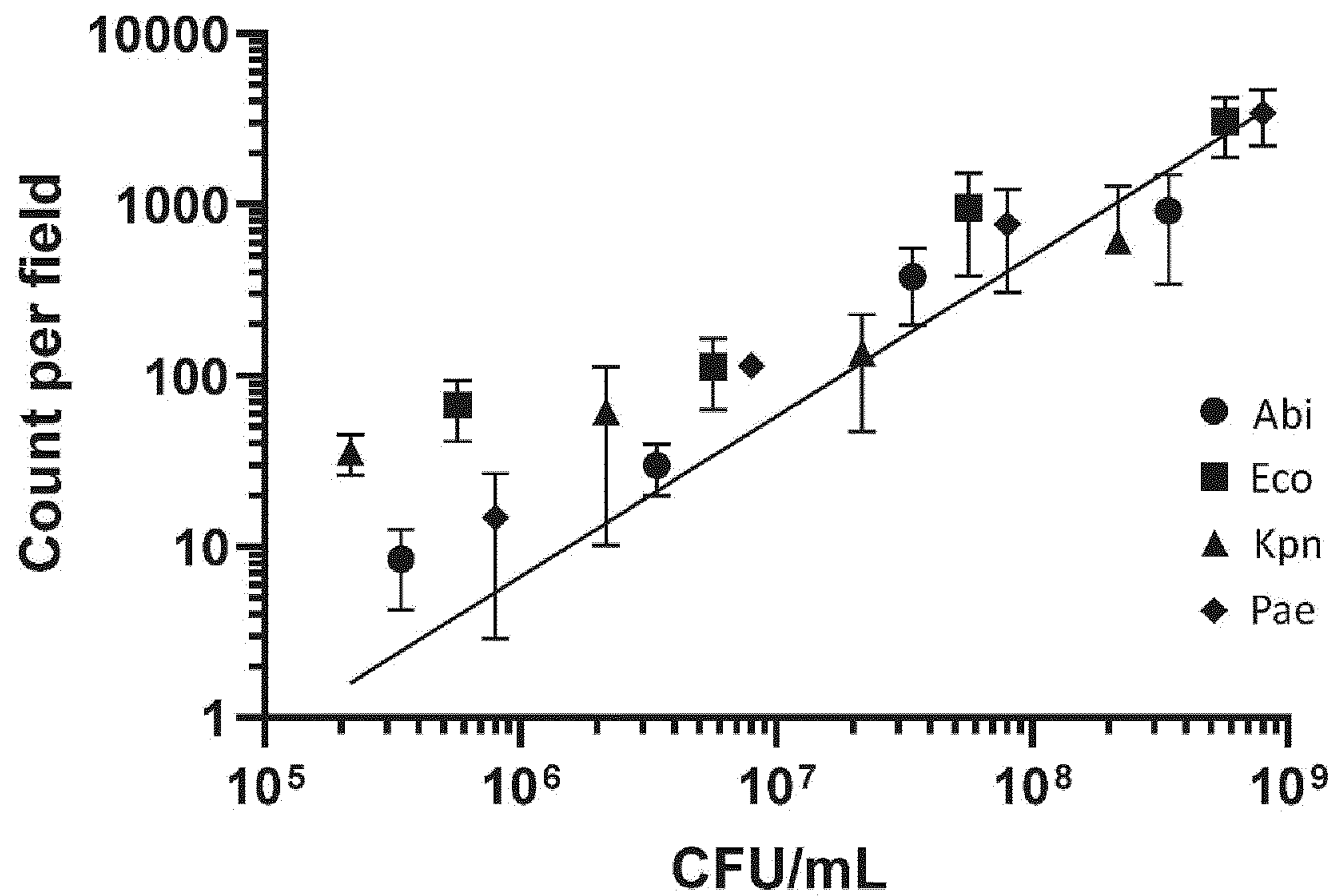


FIG. 29A

Correlation Curve for Gram Positive Species

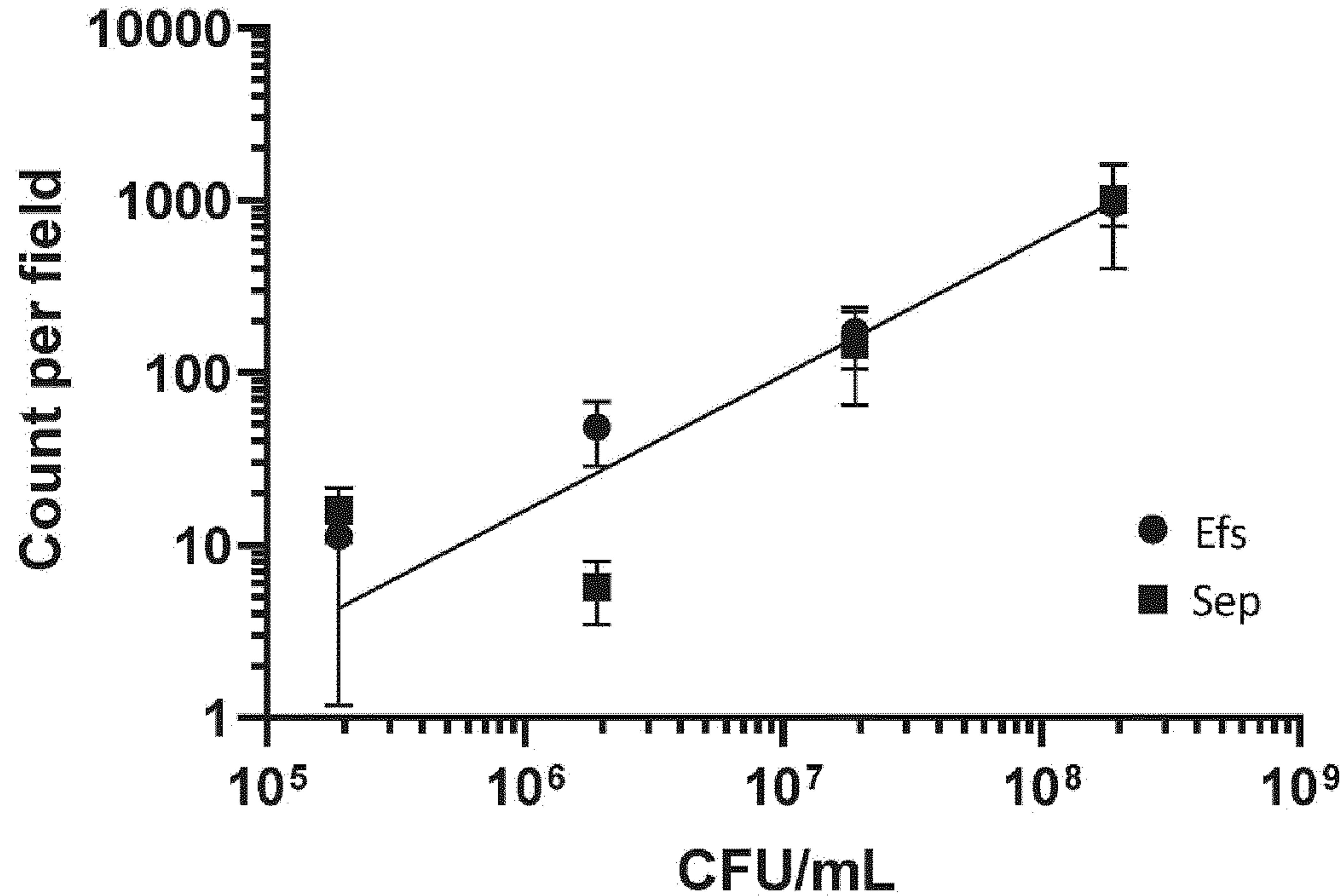


FIG. 29B

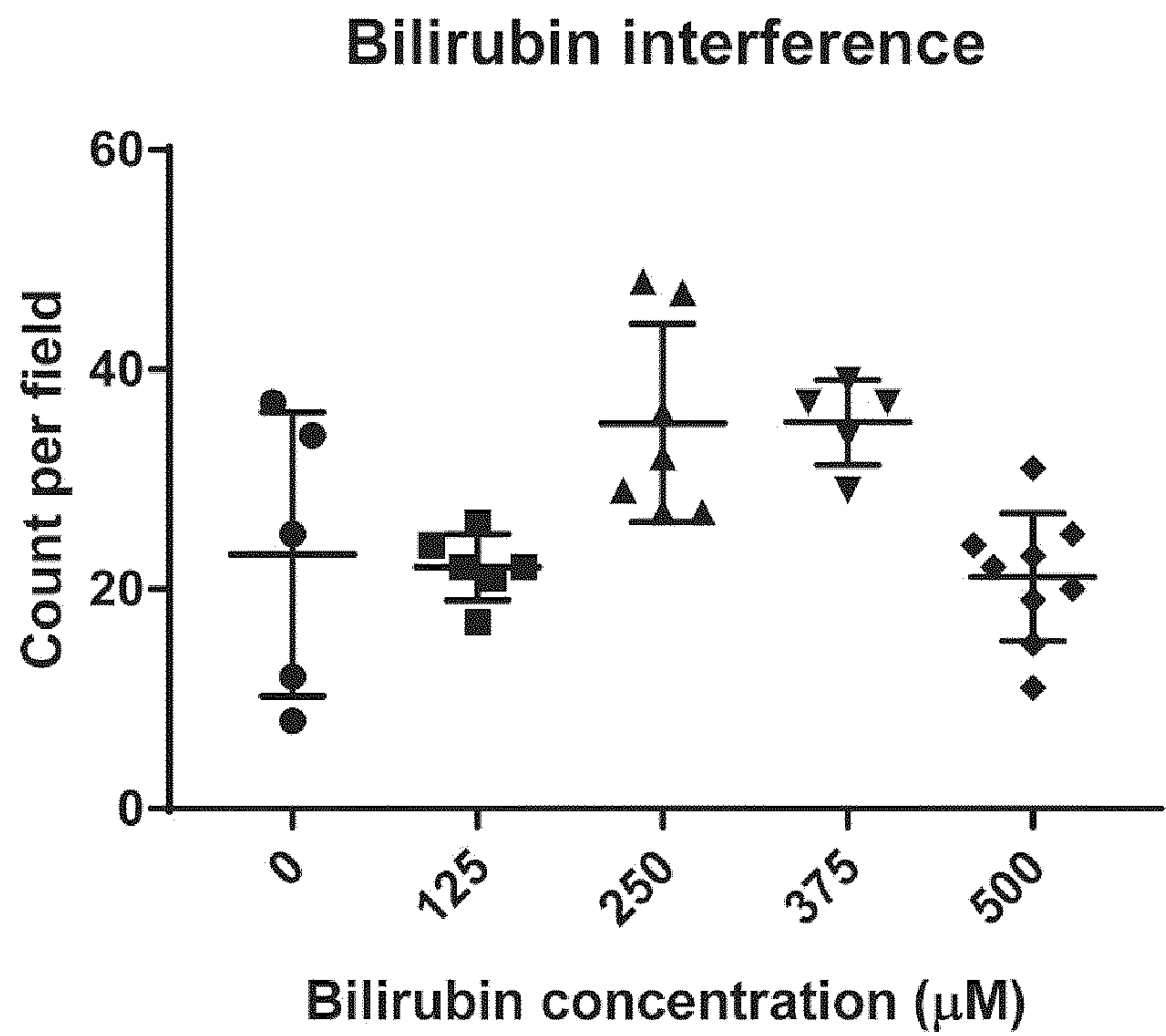


FIG. 30A

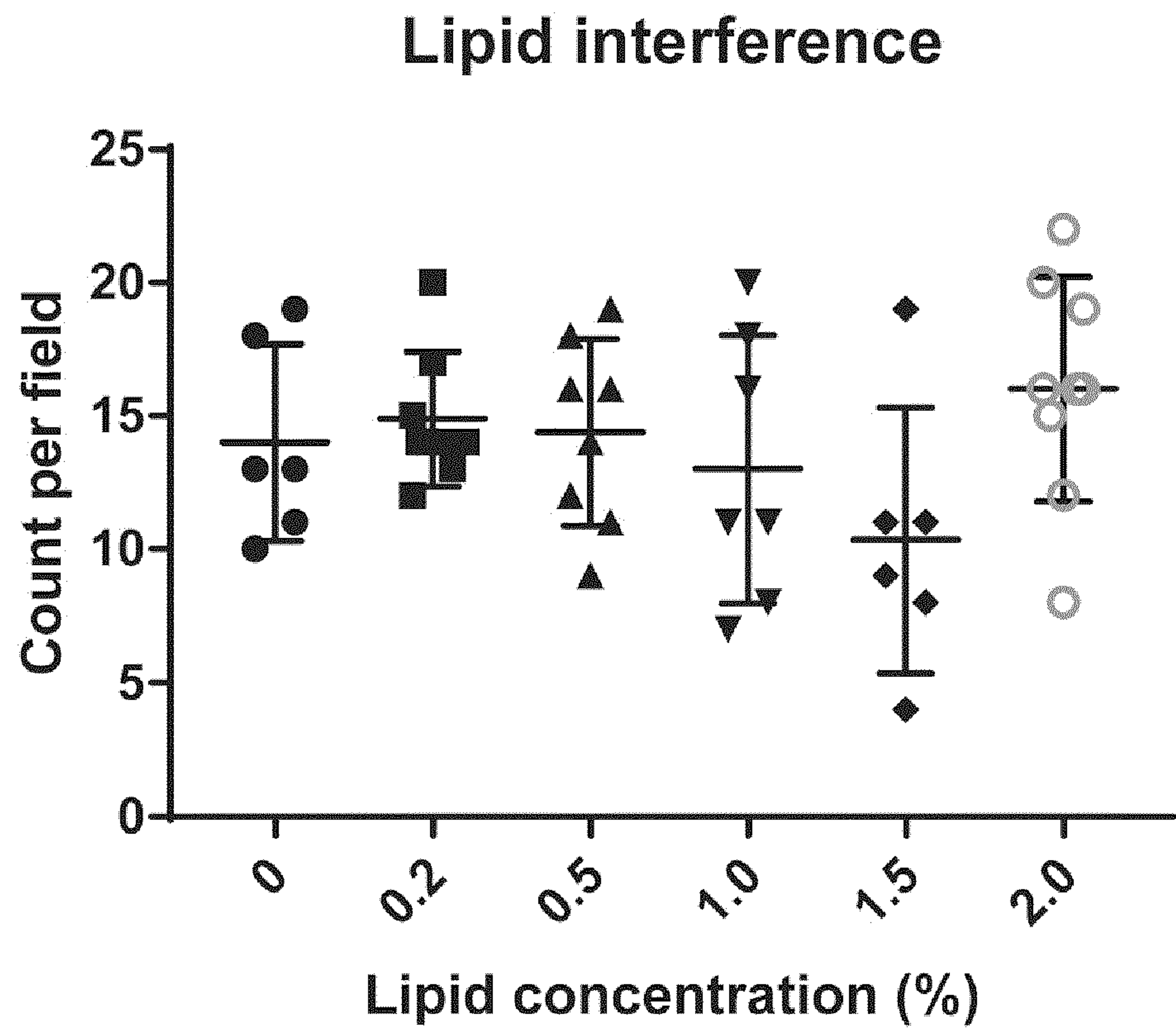


FIG. 30B

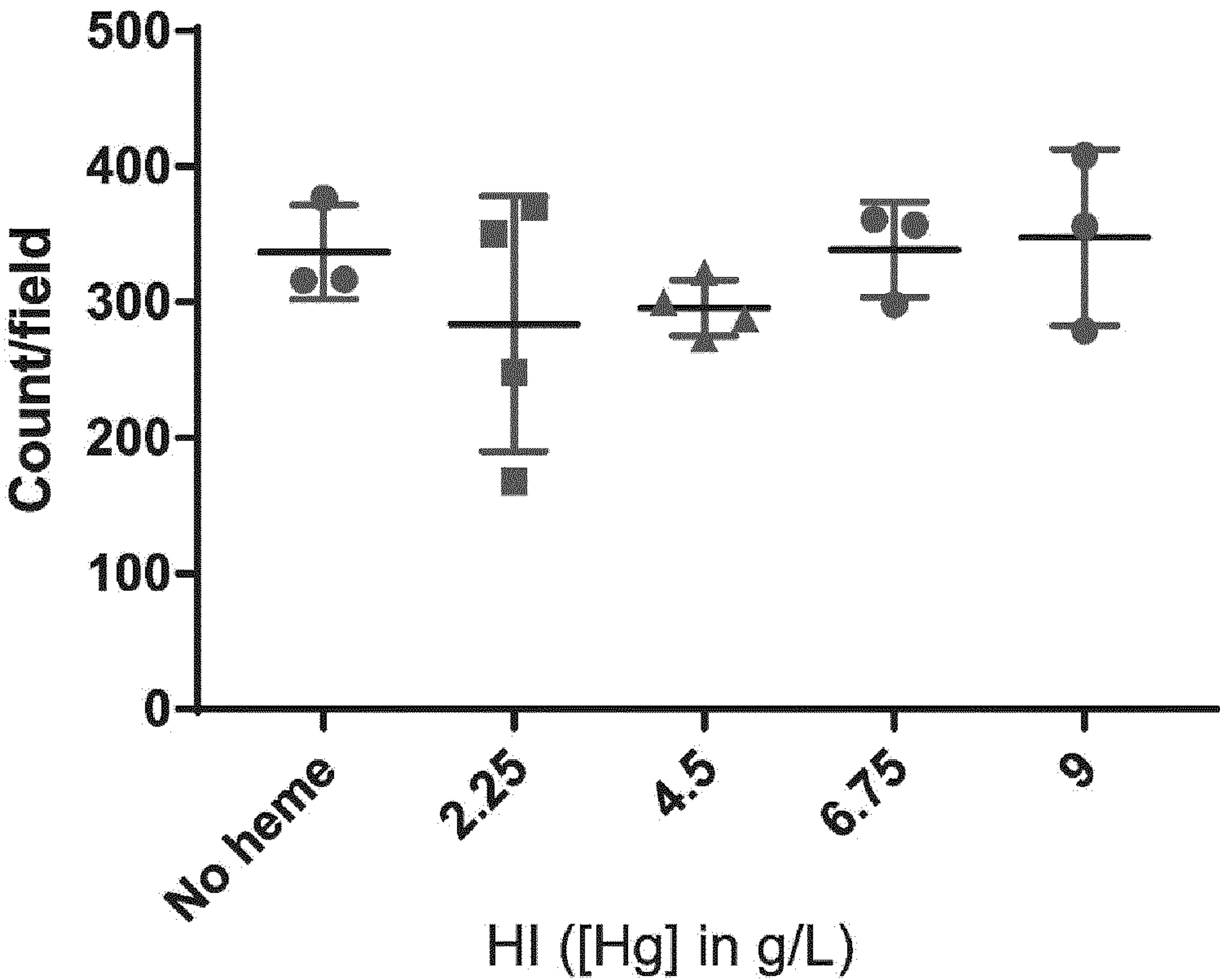


FIG. 30C

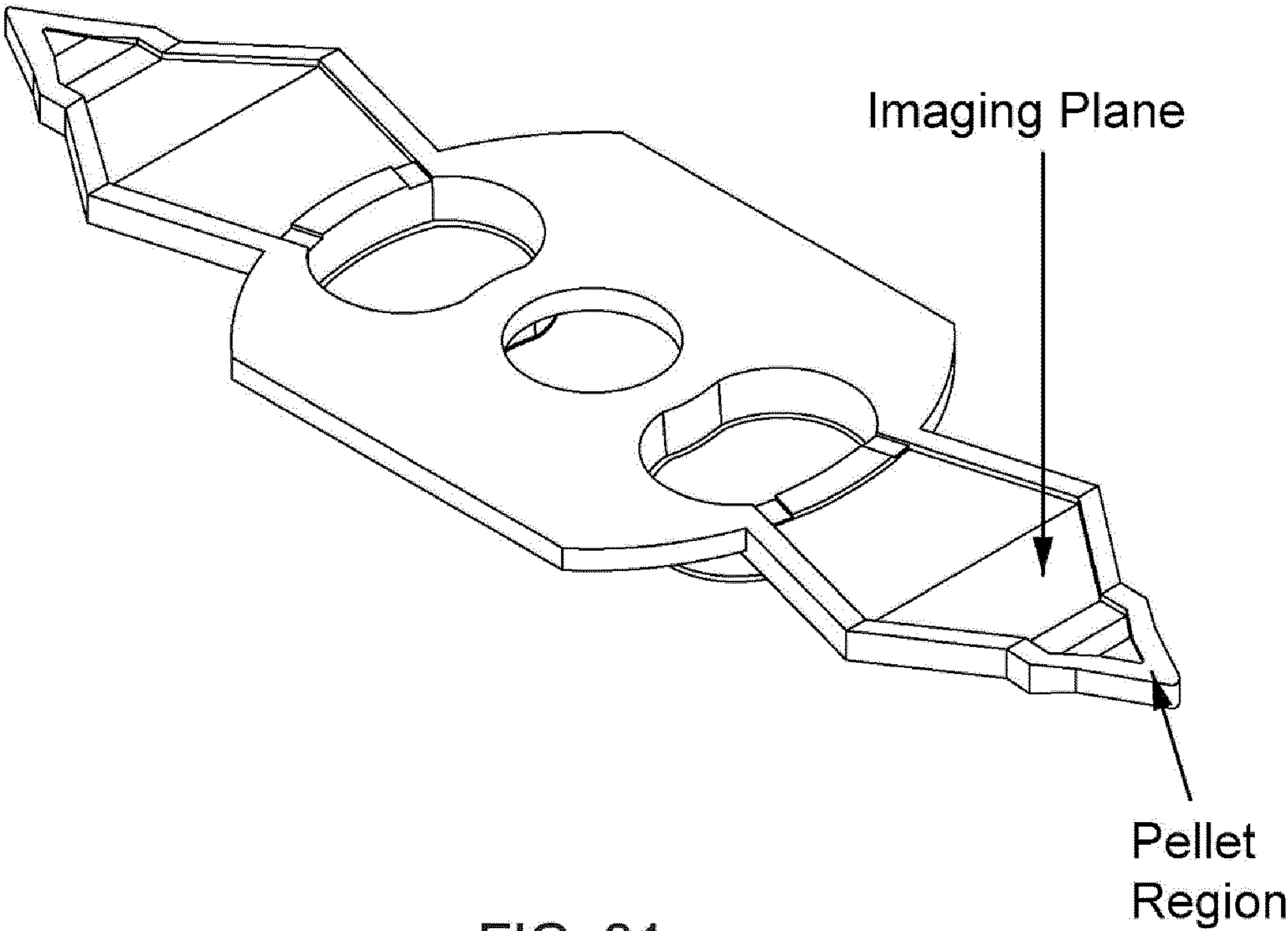


FIG. 31

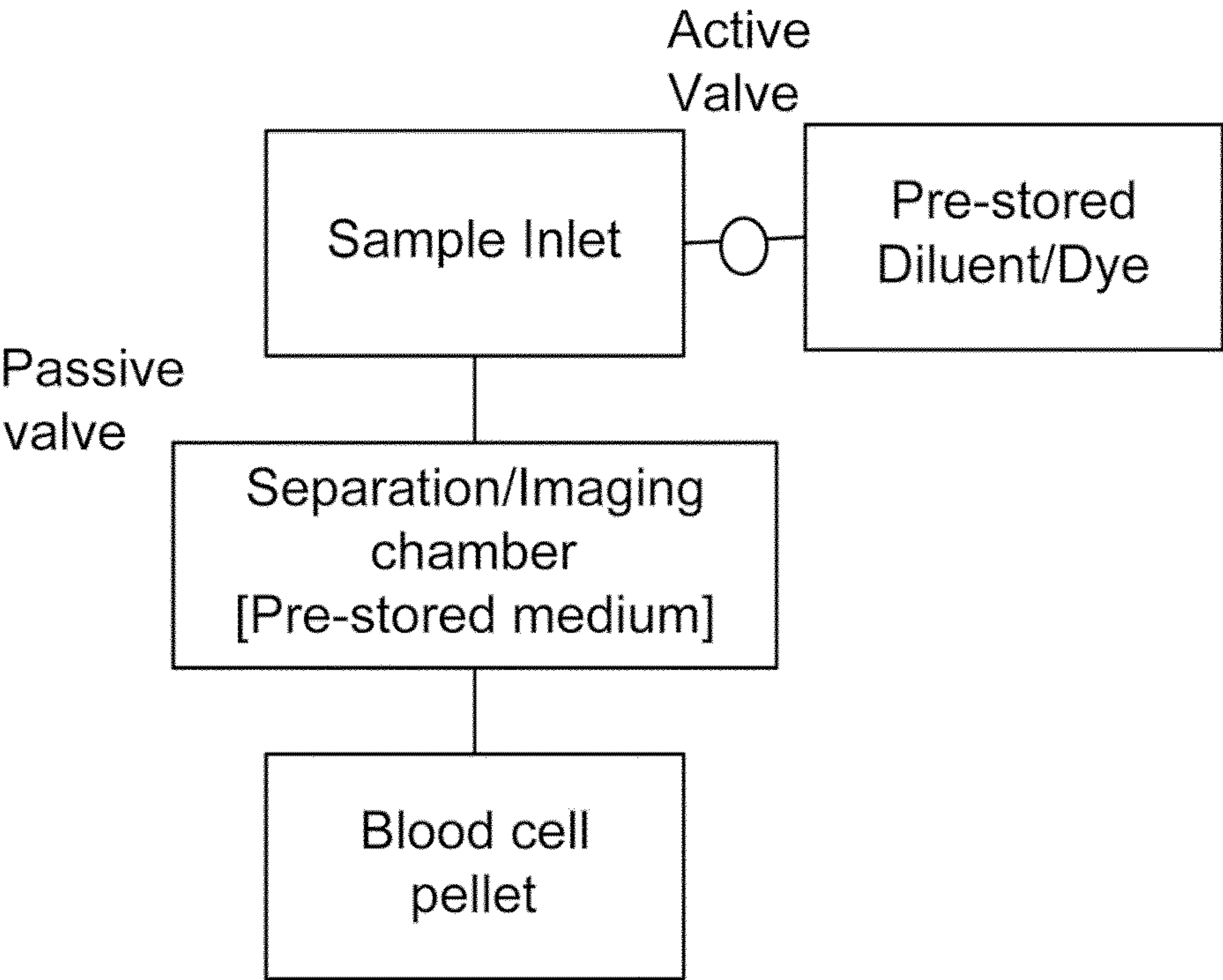


FIG. 32A

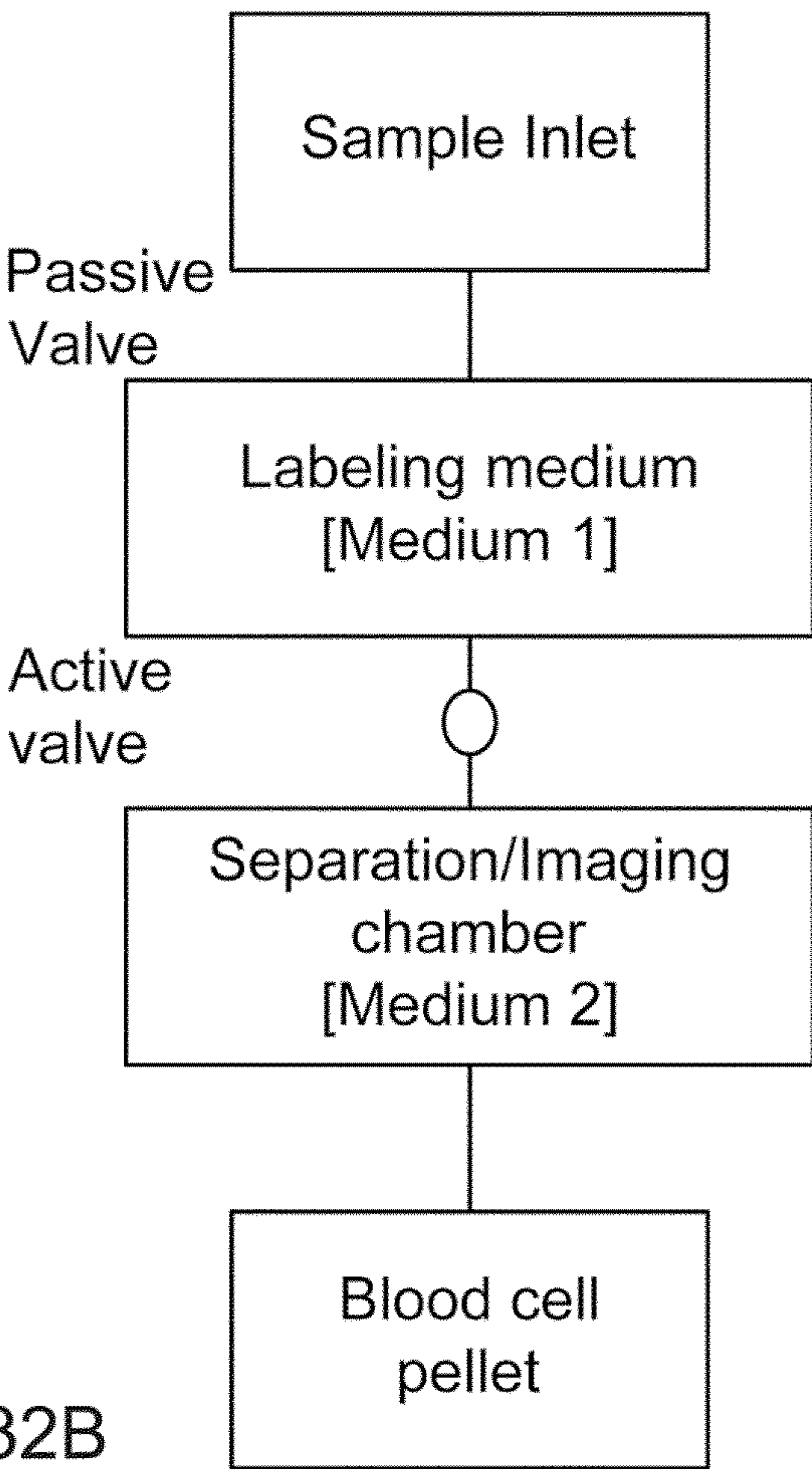


FIG. 32B