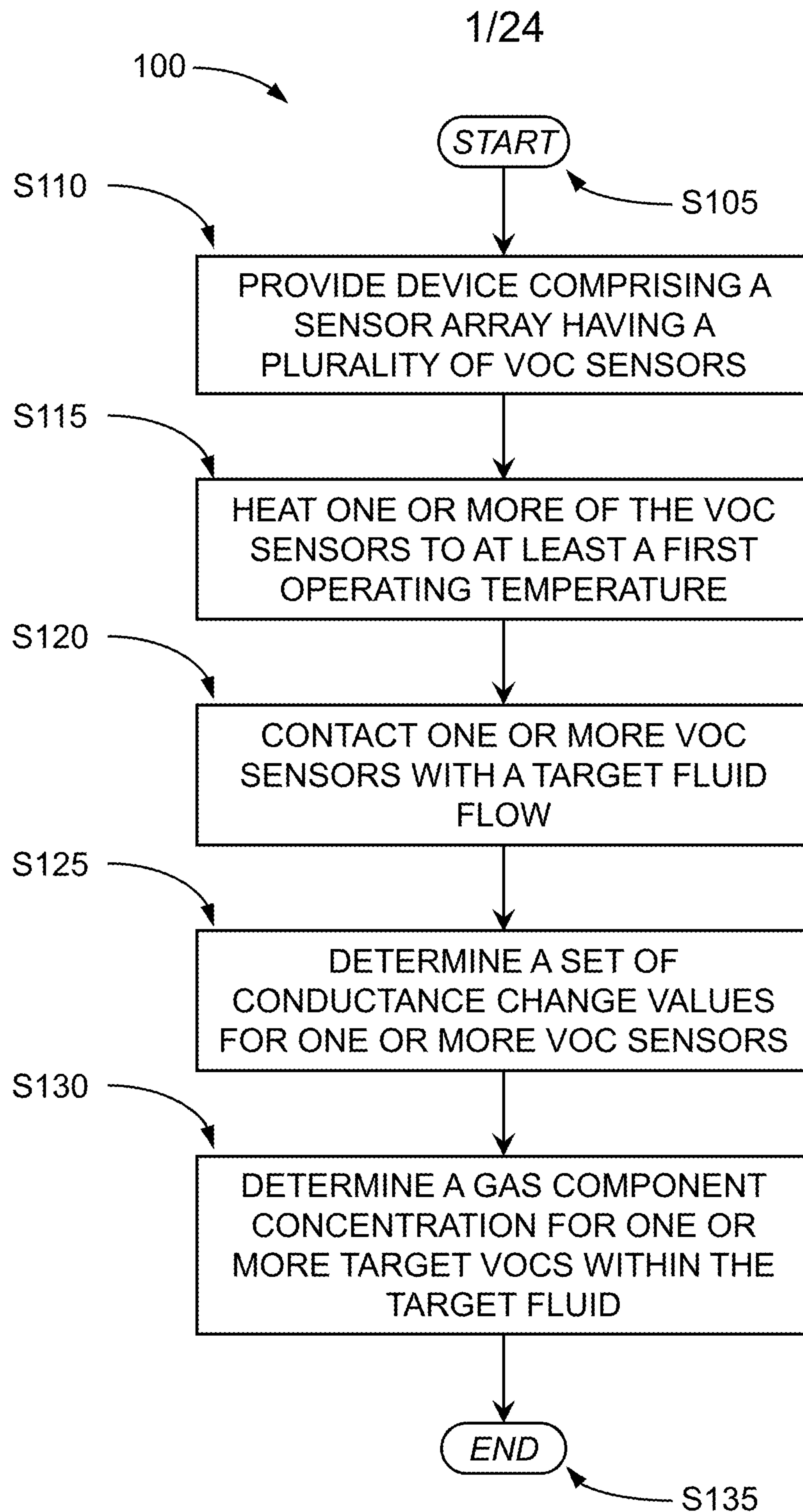


**FIG. 1**

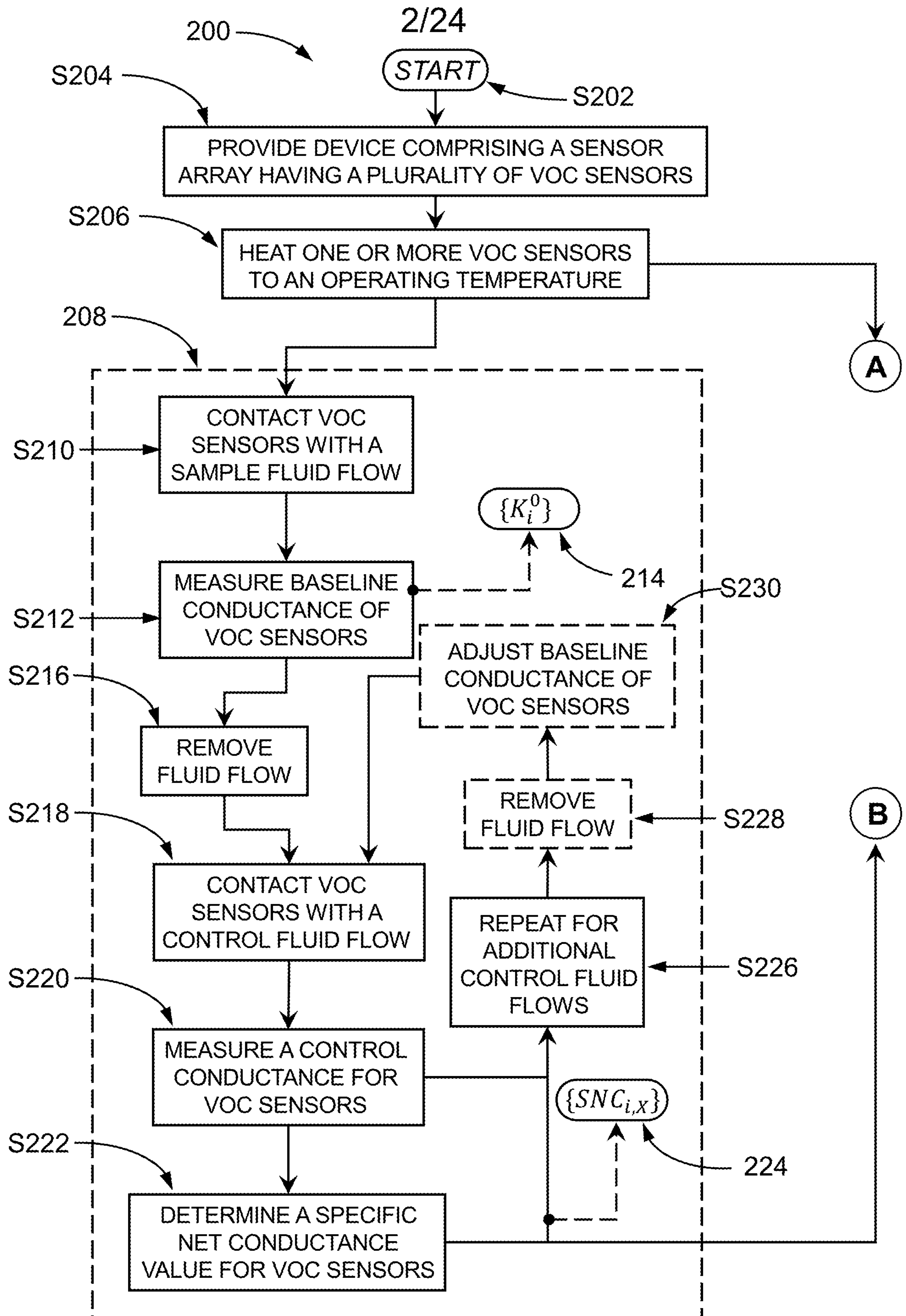
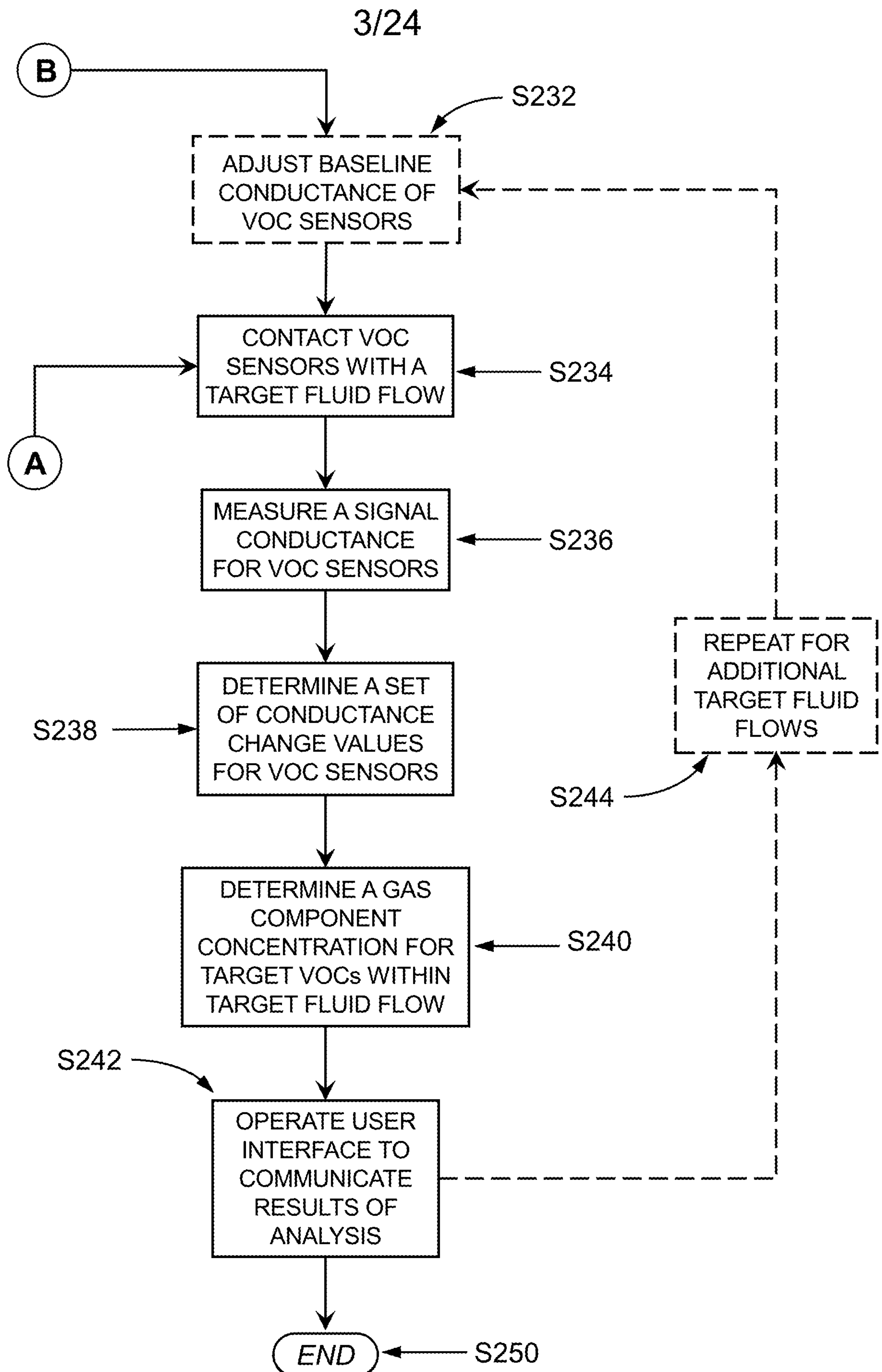
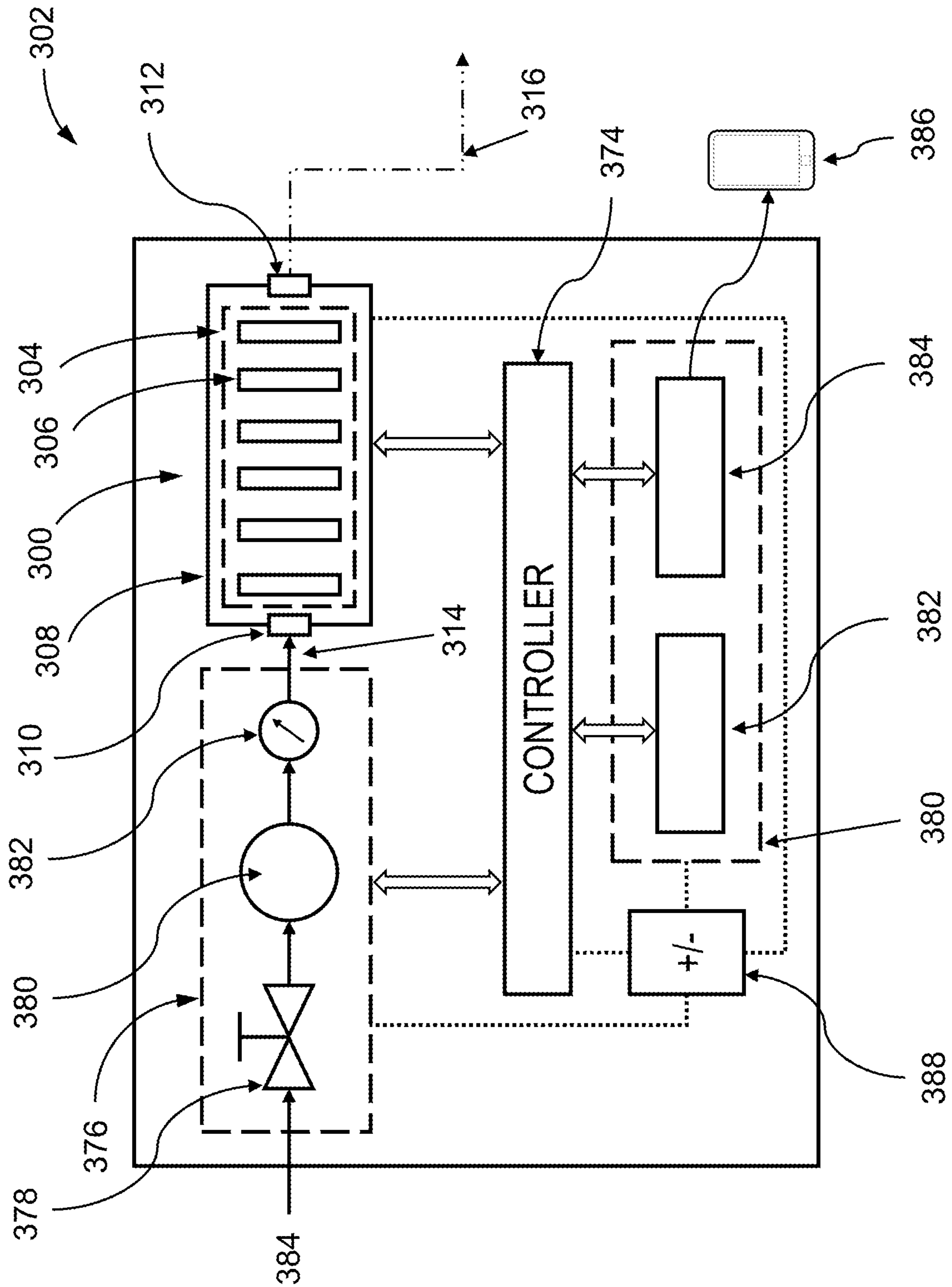
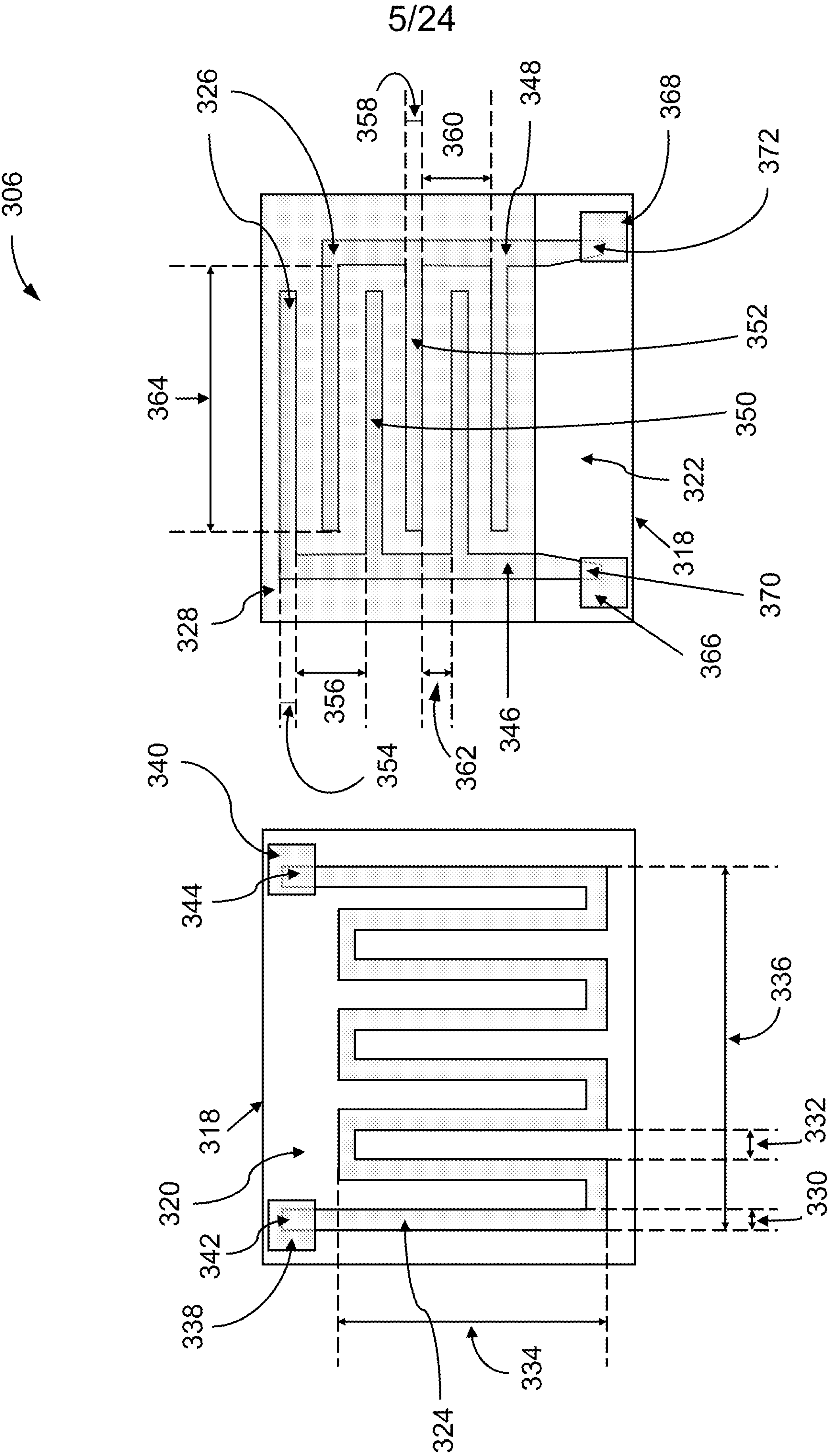


FIG. 2A





3G+L



6/24

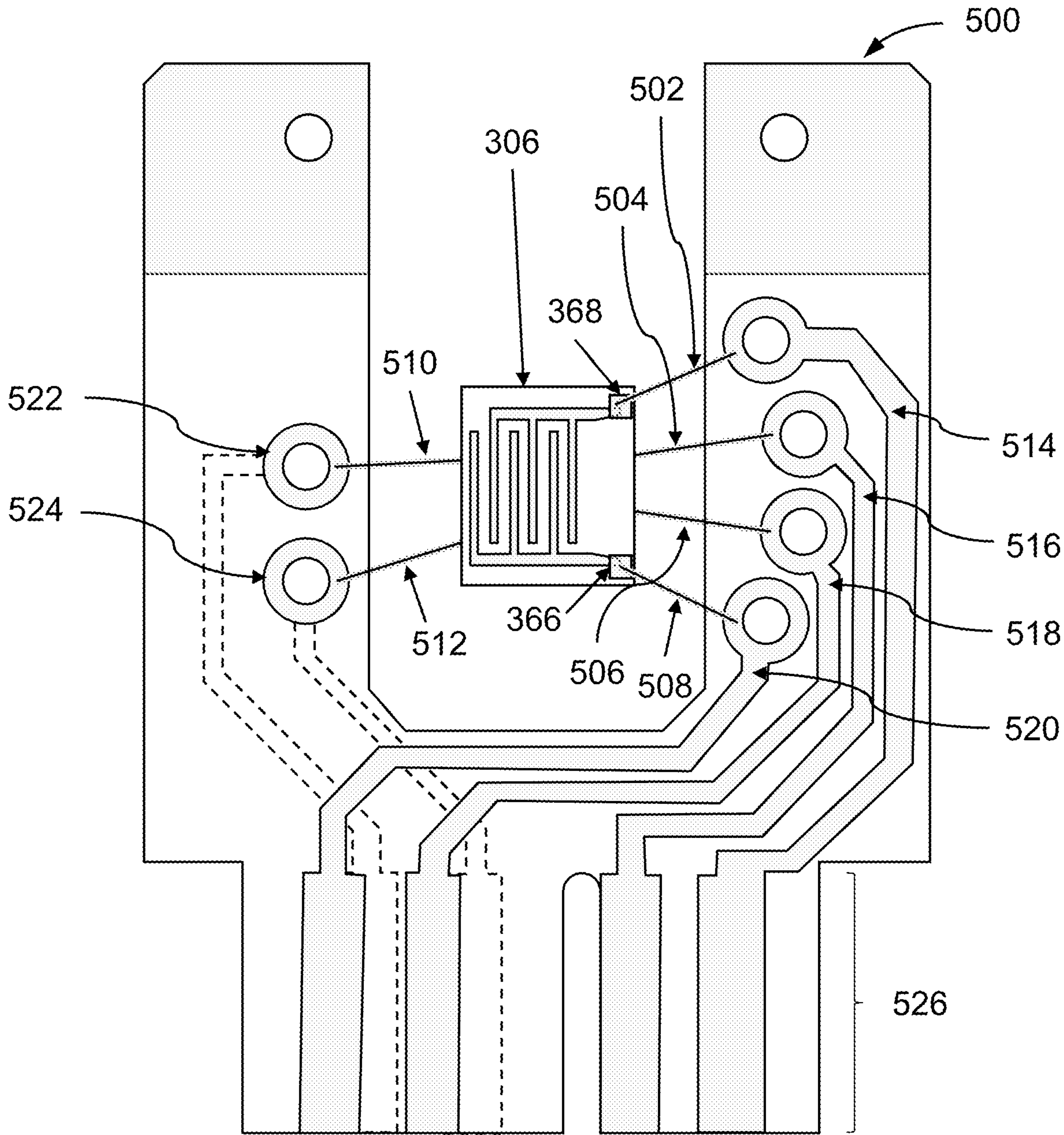


FIG. 5

7/24

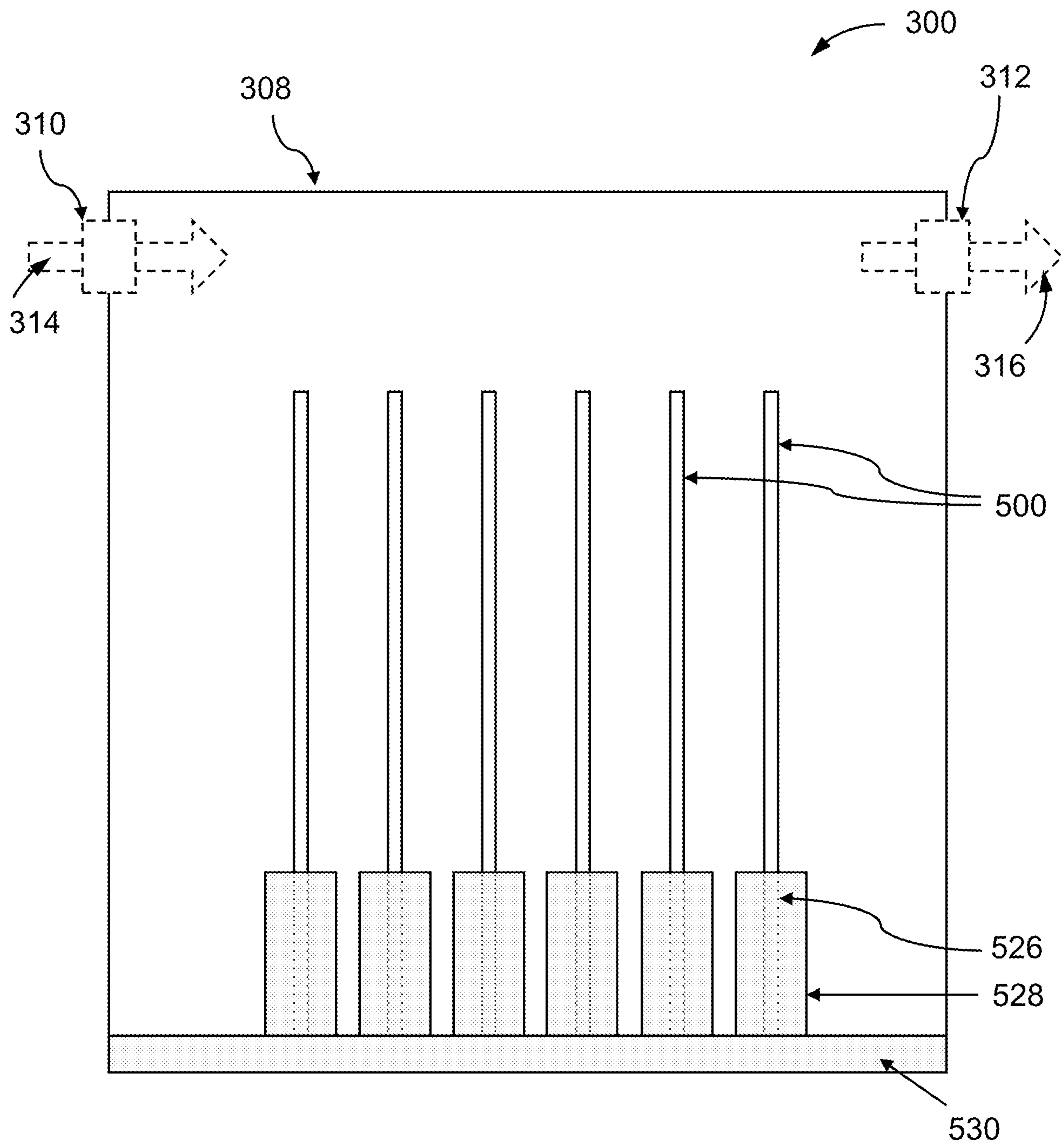


FIG. 6

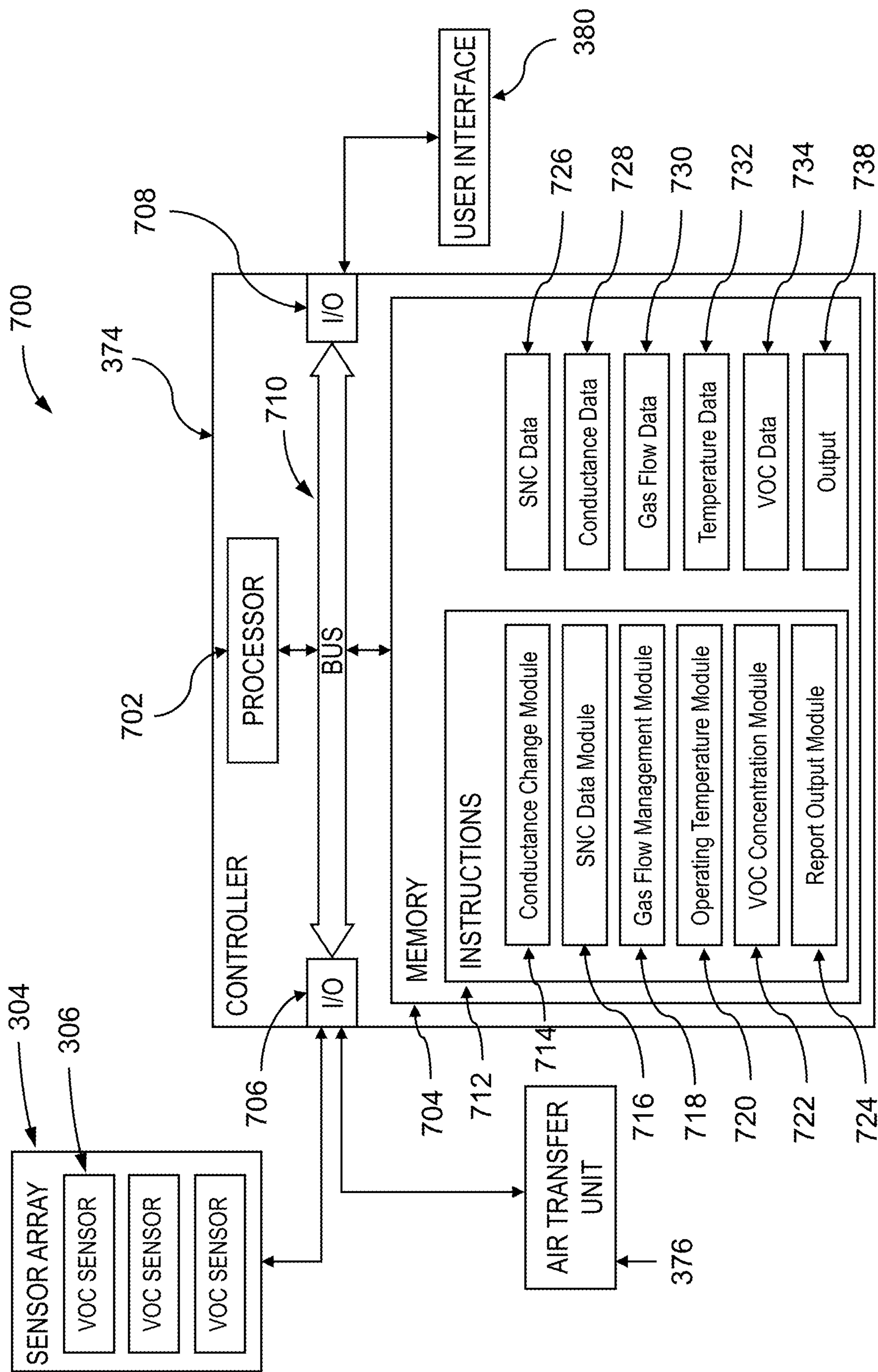


FIG. 7

Indian Meal Moth Pheromone
(9,12-tetradecadienyl acetate)
Tested in Laboratory

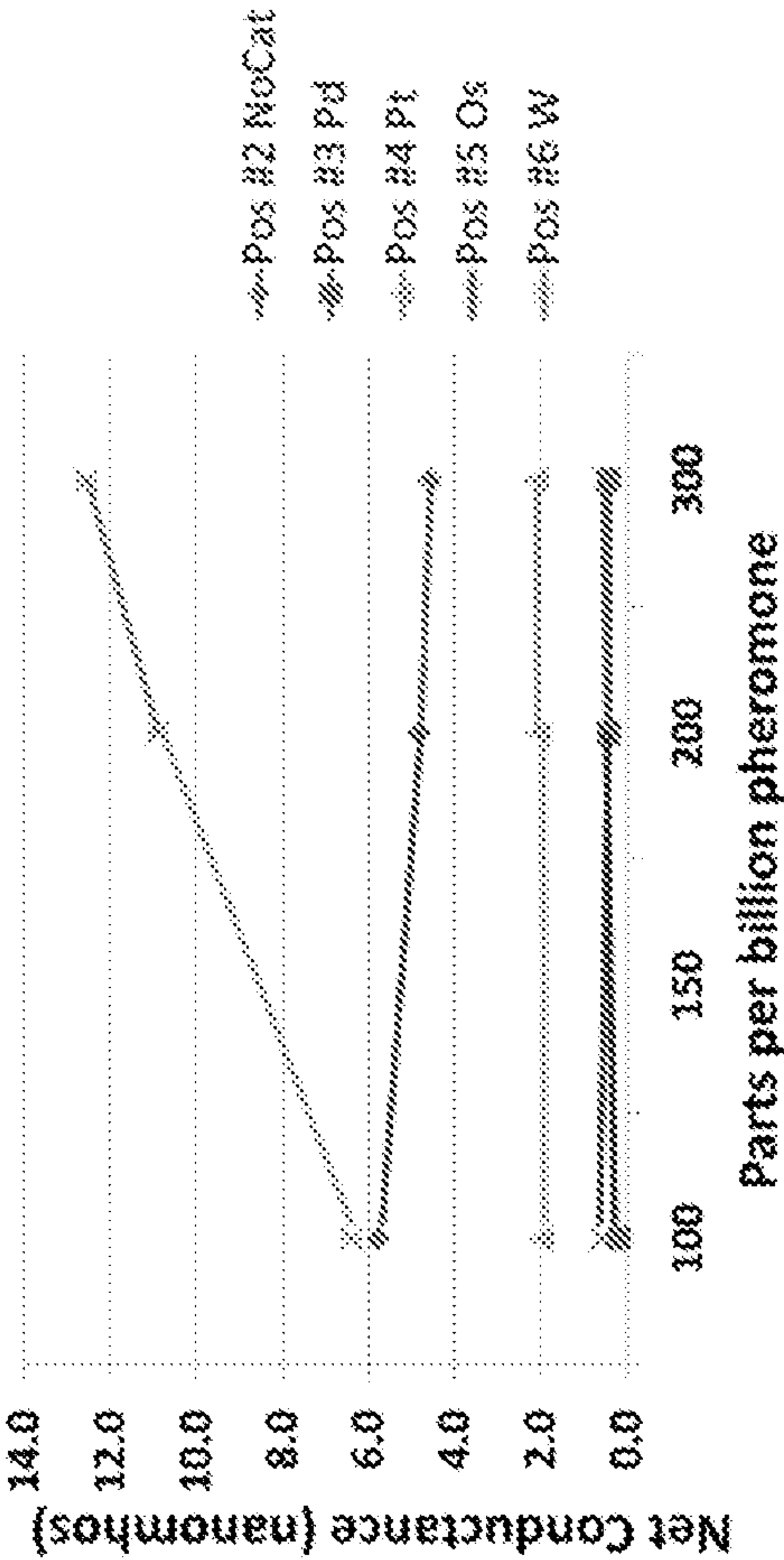


FIG. 8A

Red Flour Beetle Pheromone
(Tribolure) Tested in Laboratory

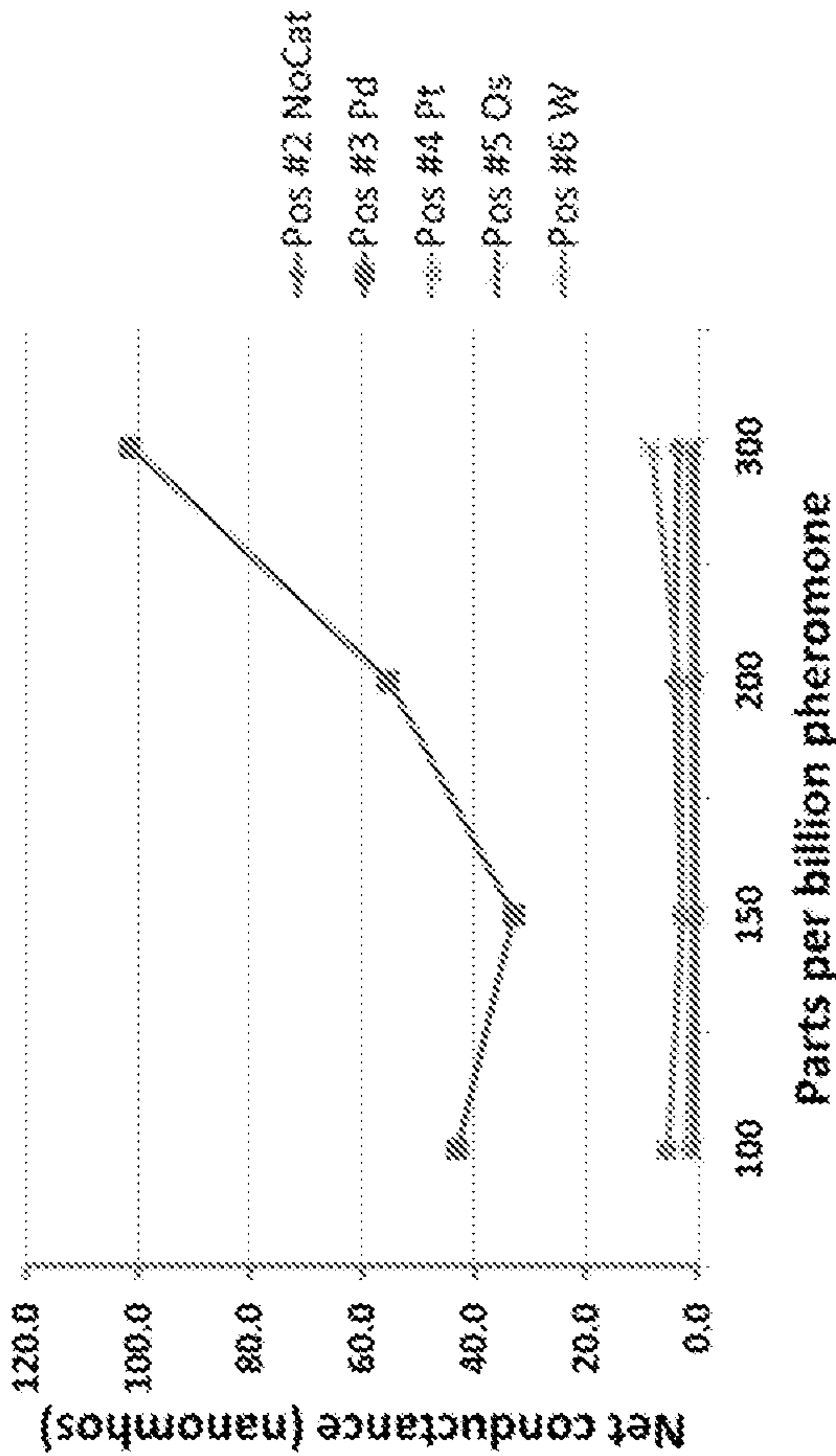


FIG. 8B

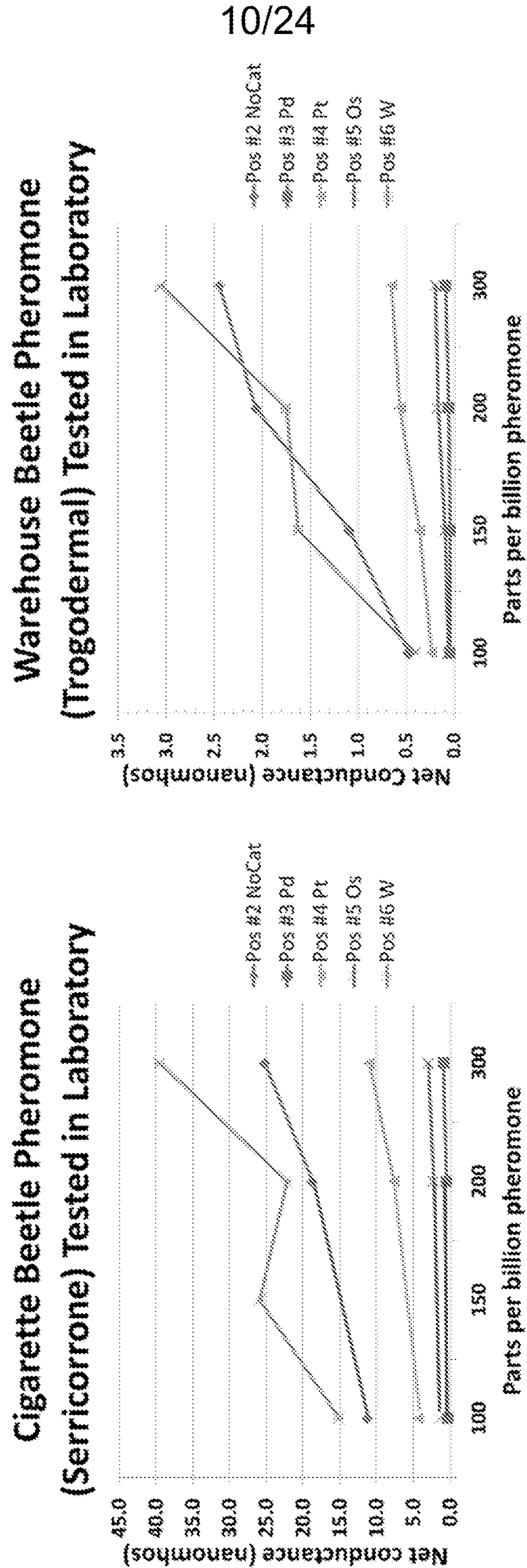


FIG. 8C

FIG. 8D

11/24

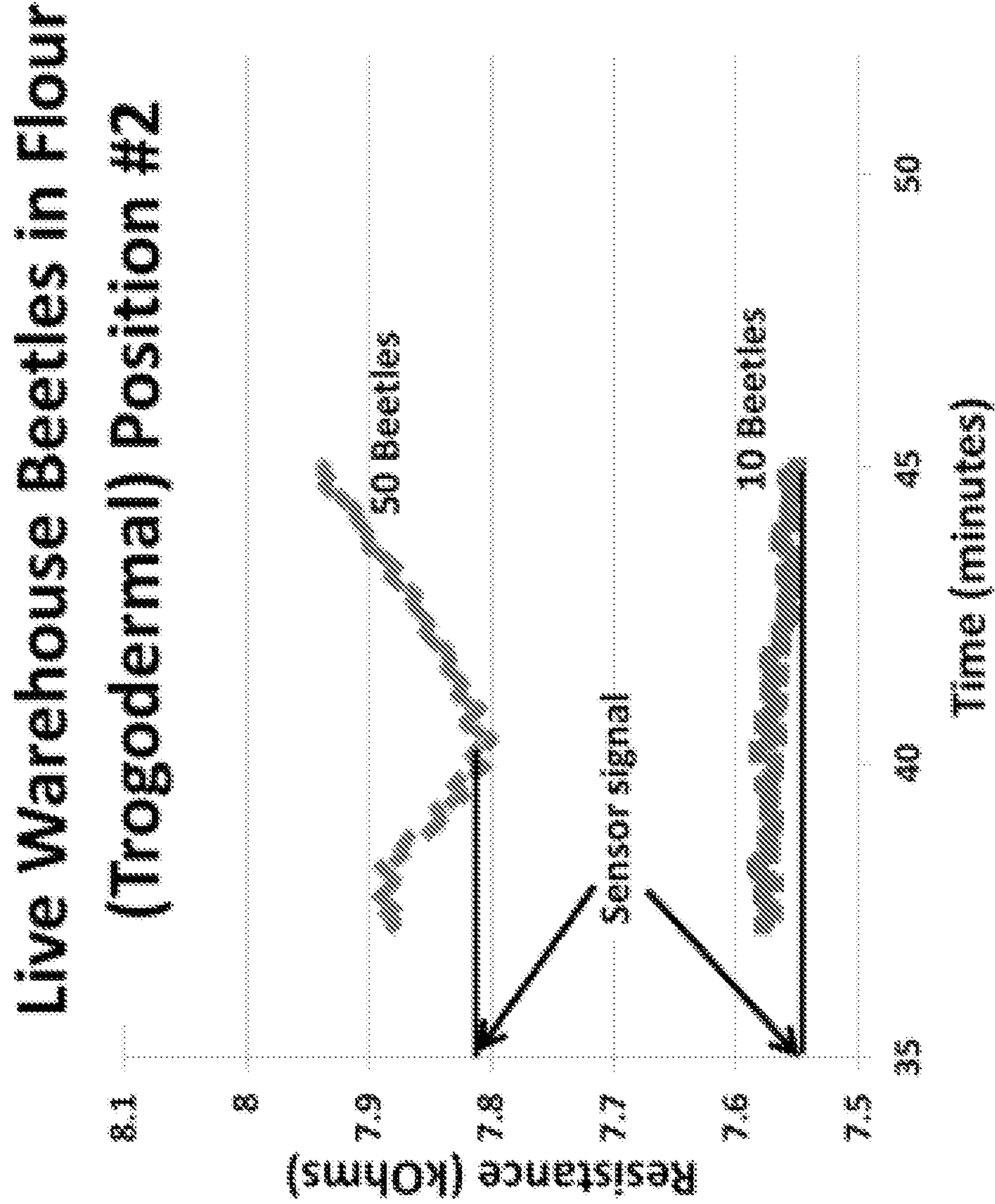


FIG. 9A

12/24

Live Cigarette Beetles in Flour
(Sericorrone) Position #2

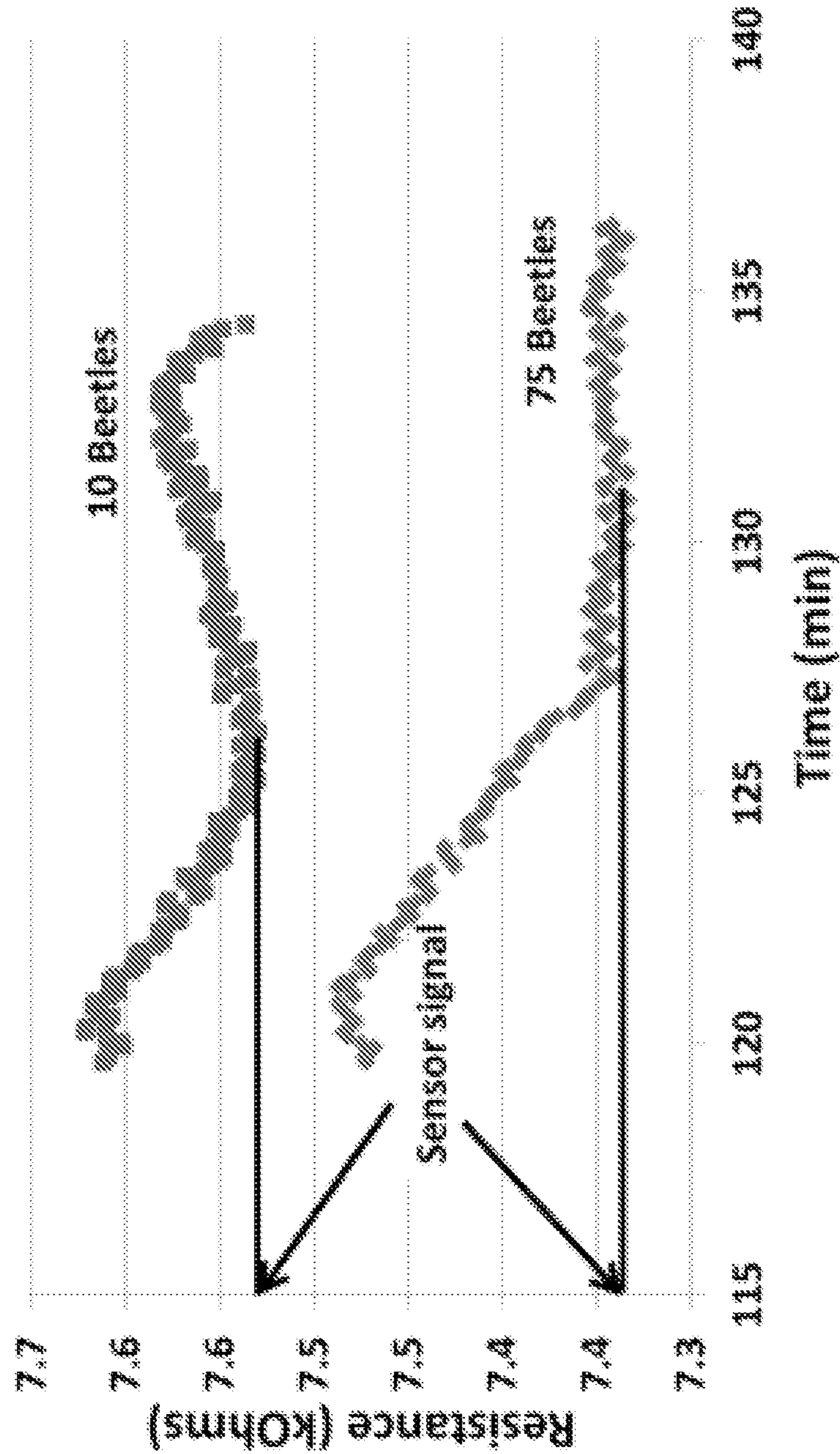


FIG. 9B

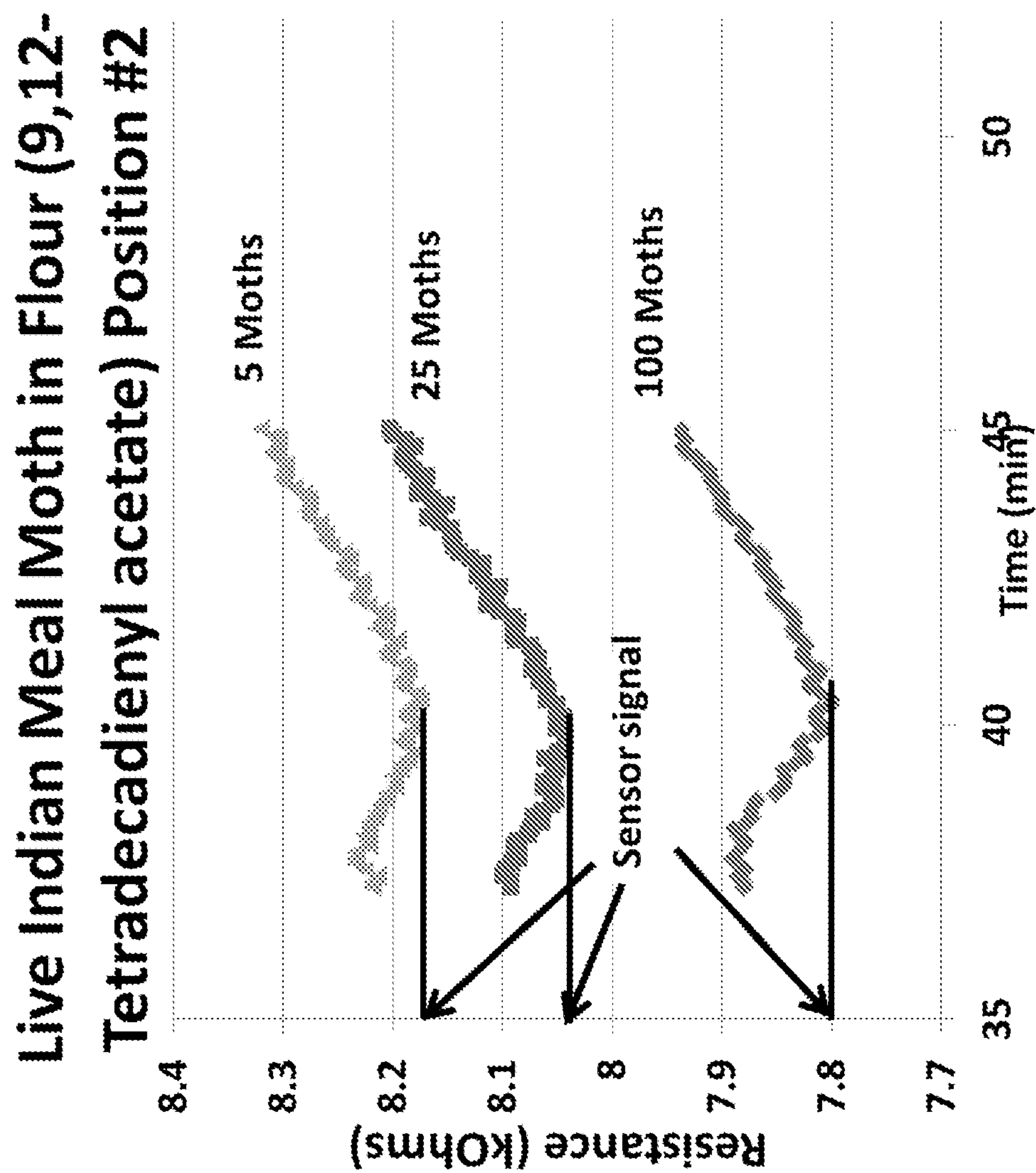


FIG. 9C

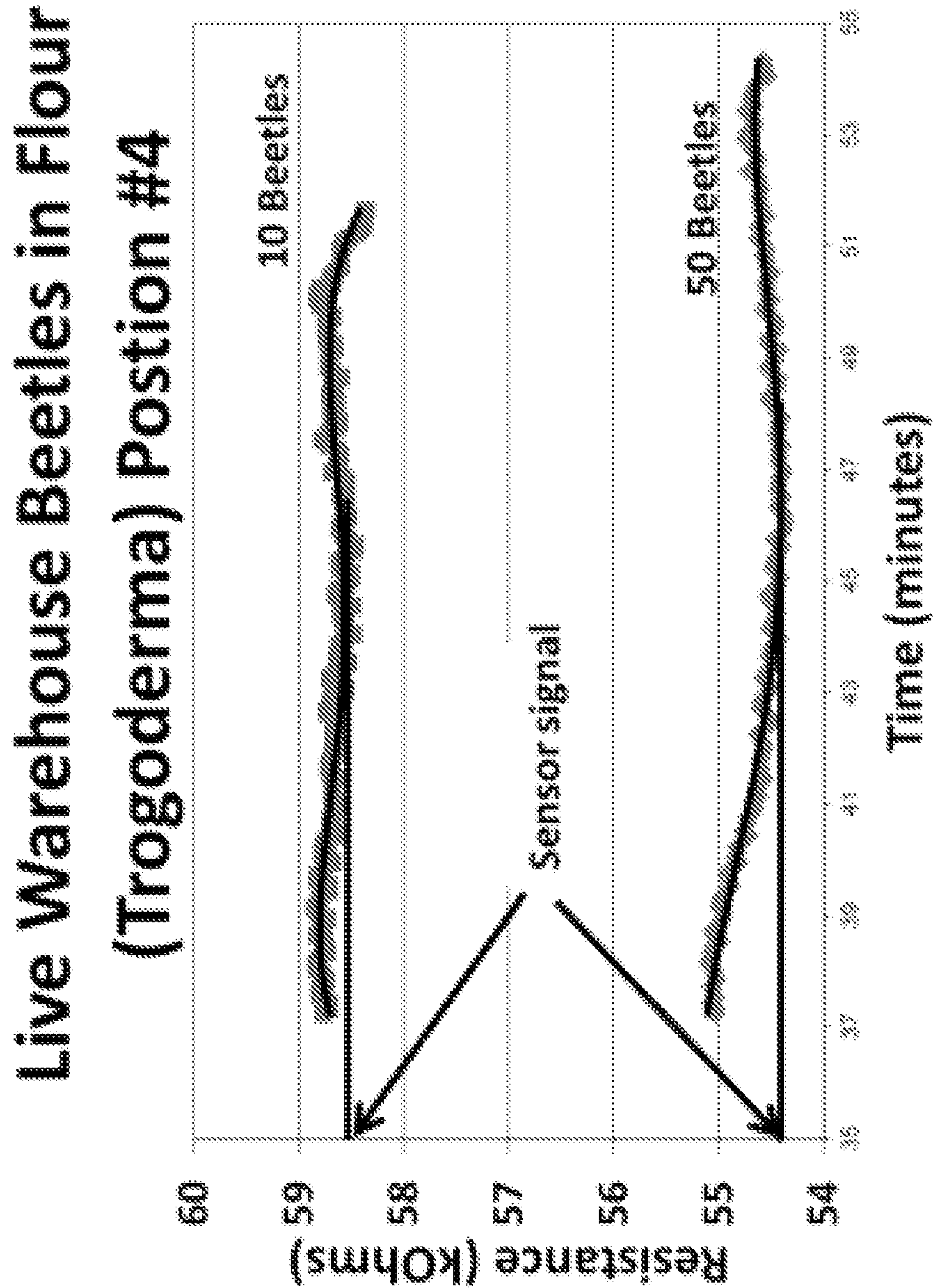


FIG. 10A

Live Cigarette Beetles (Sericorrone)
in Flour Position #4

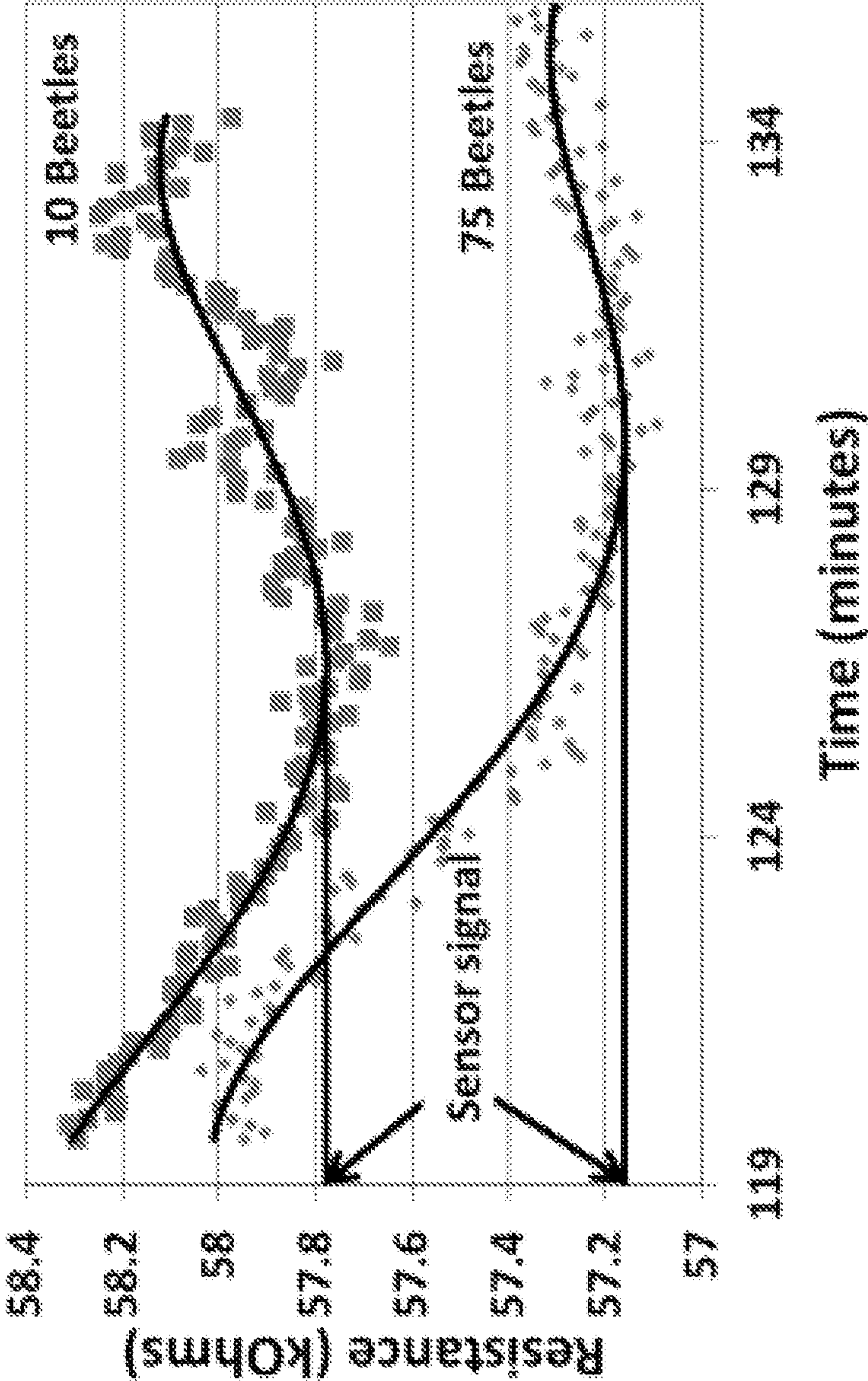


FIG. 10B

Live Indian Meal Moth in Flour (9,12-Tetradecadienyl acetate) Position #4

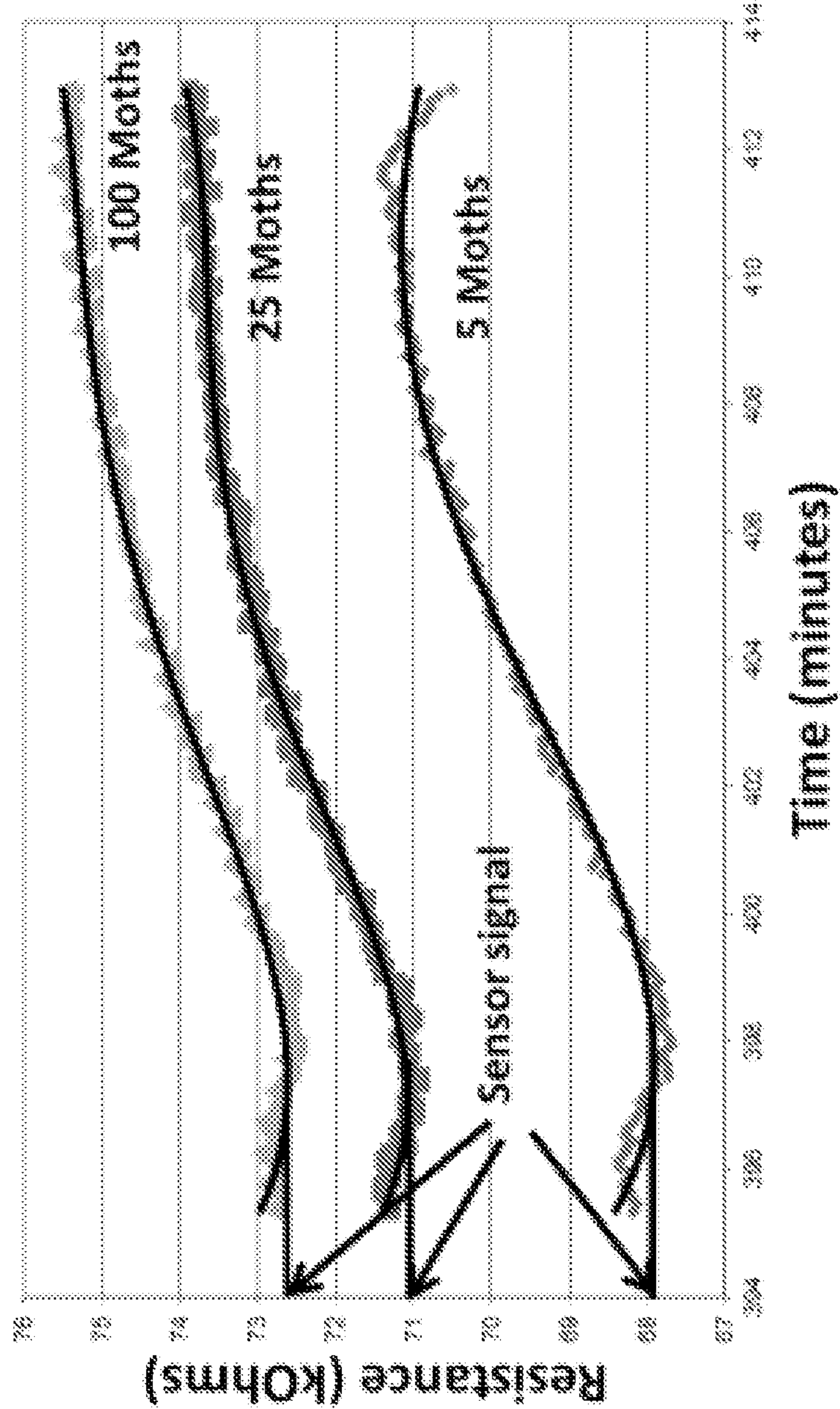


FIG. 10C

Live Warehouse Beeteles in Flour
(Trogoderma) Postion #5

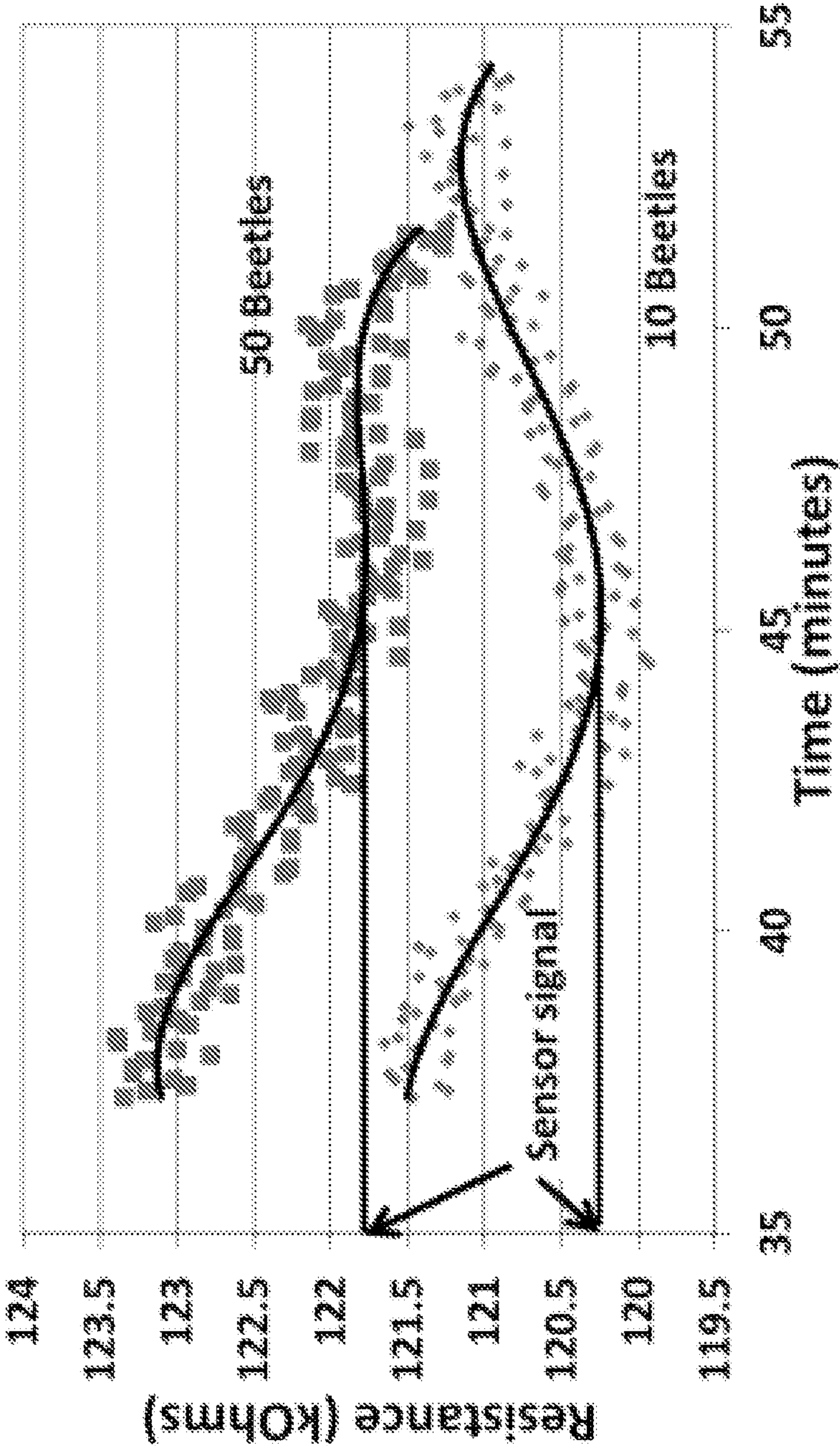


FIG. 11A

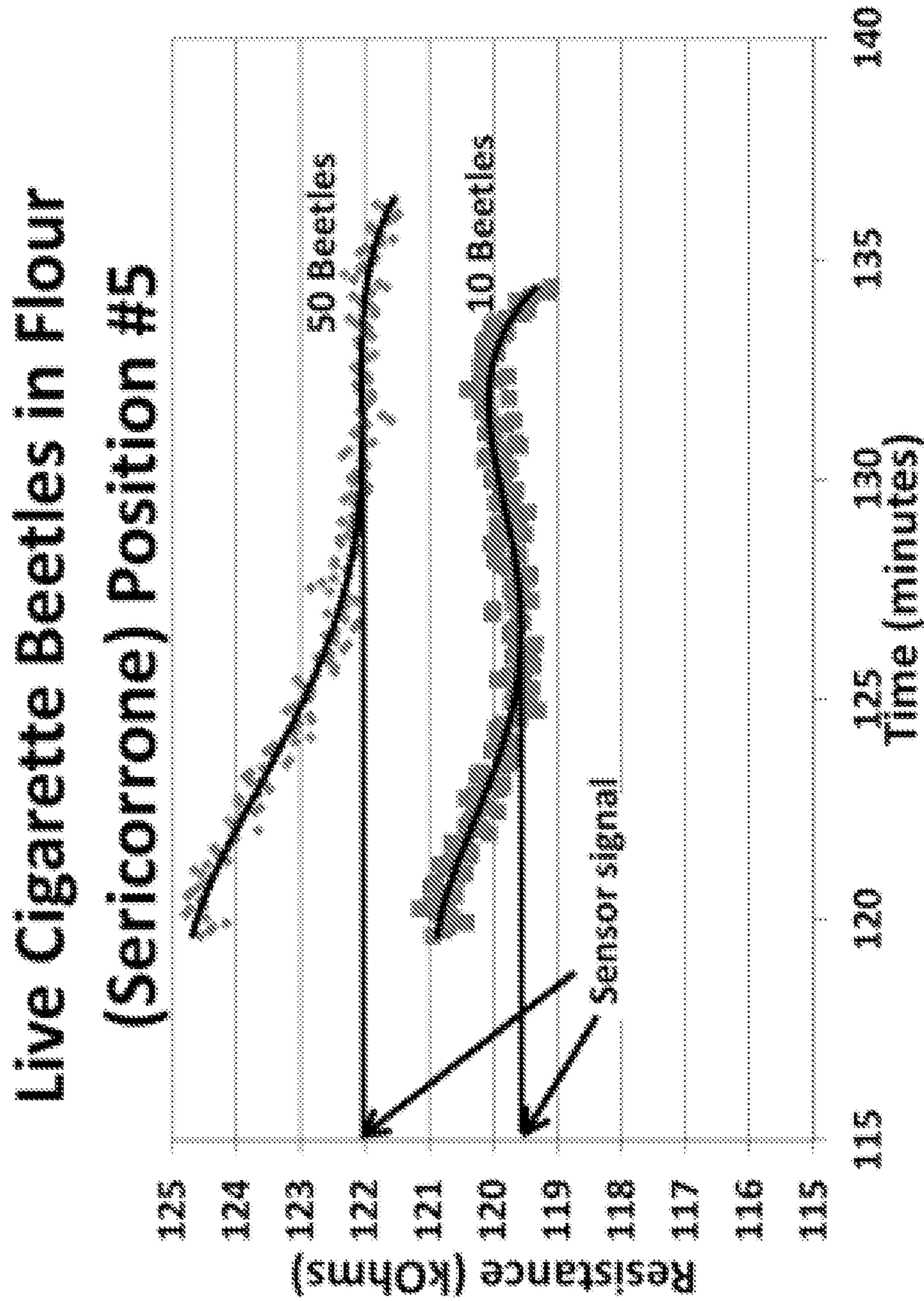


FIG. 11B

19/24

Live Indian Meal Moths in Flour (9,12-Tetradecadienyl acetate) Position #5

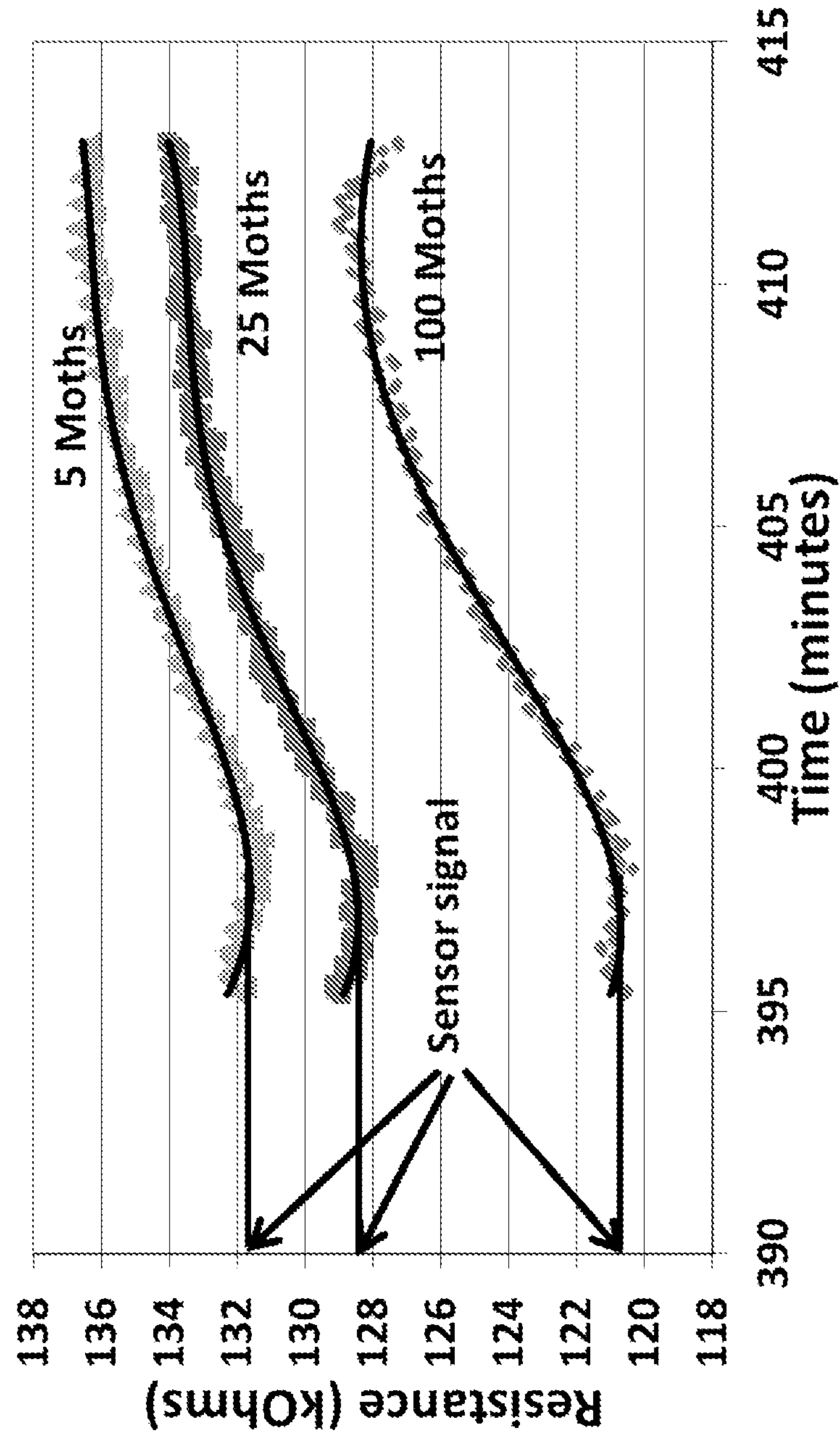


FIG. 11C

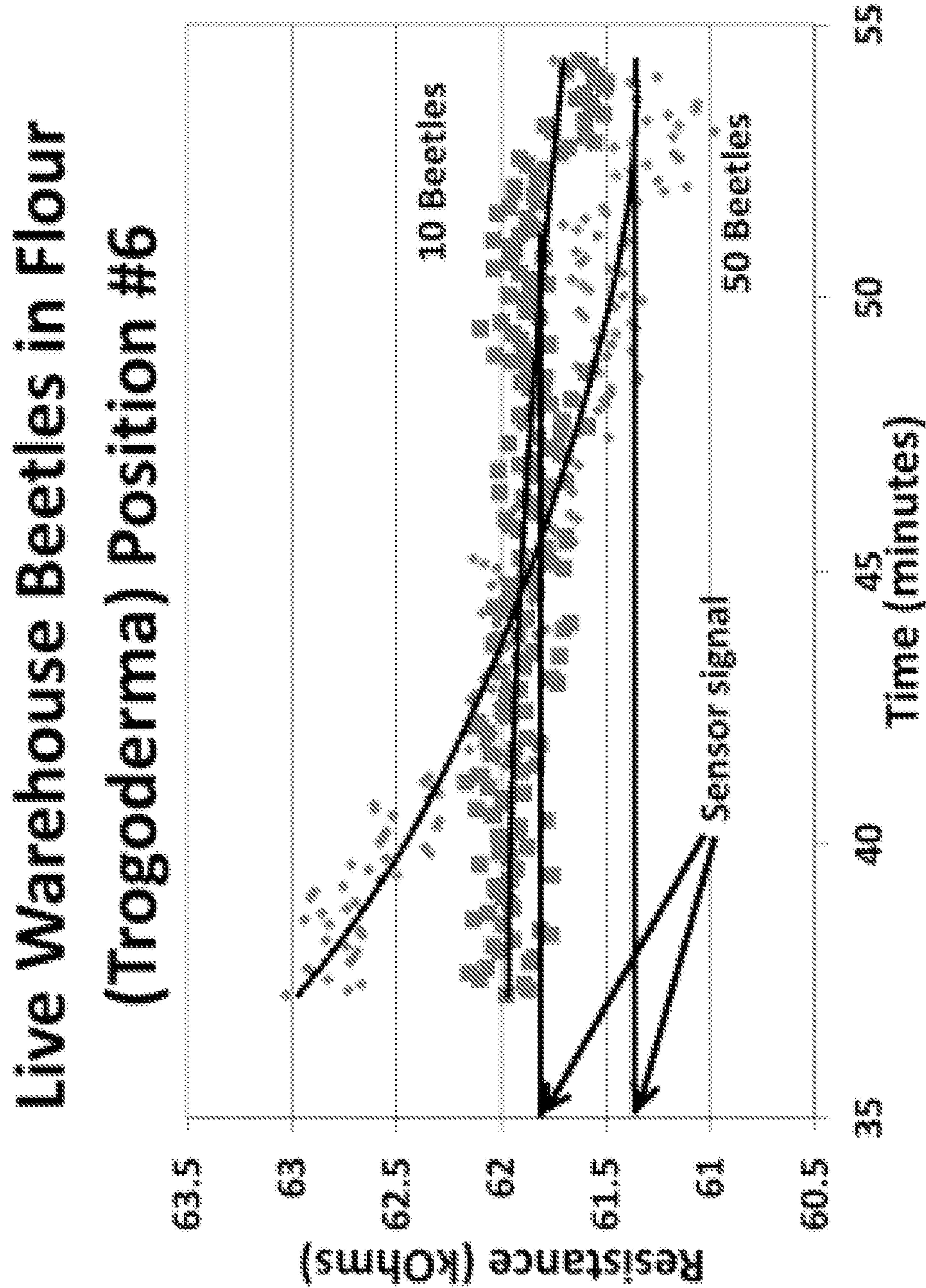


FIG. 12A

Live Cigarette Beetle in Flour
(Sericorrone) Position #6

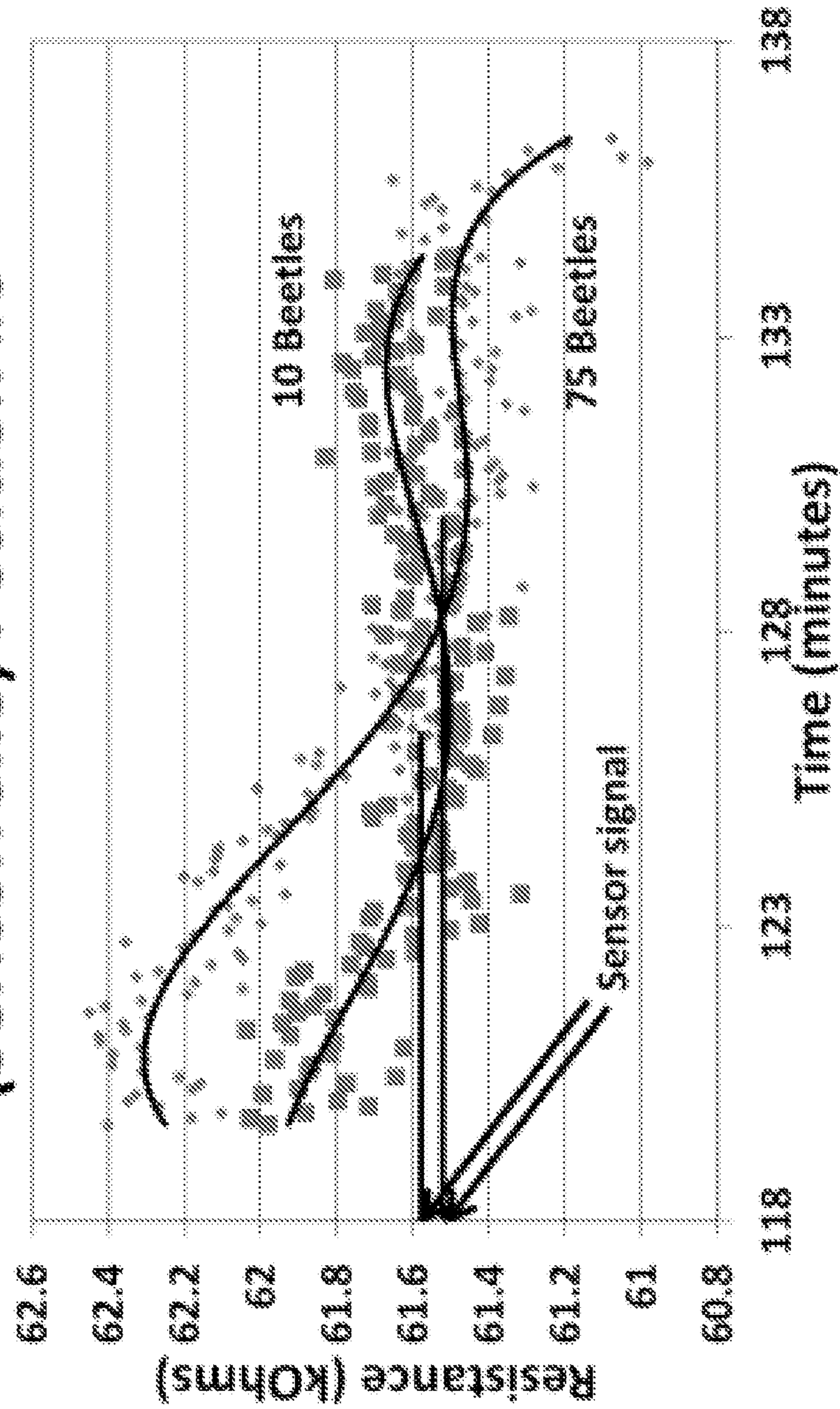


FIG. 12B

Live Indian Meal Moths in Flour (9,12-Tetradecadienyl acetate) Position #6

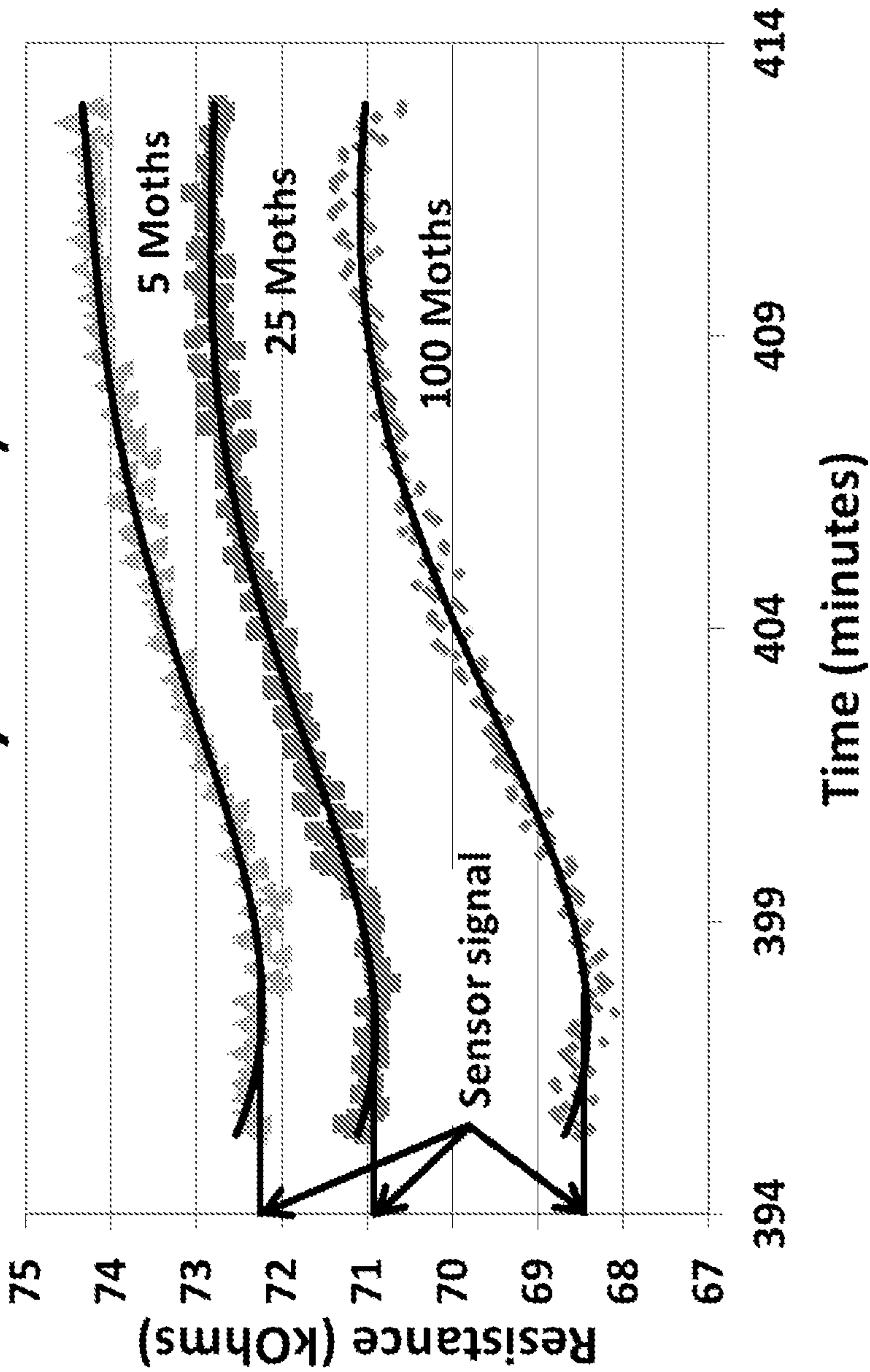


FIG. 12C

Sensor Response vs Insect Number
Un-catalyzed Chip - Pos#2

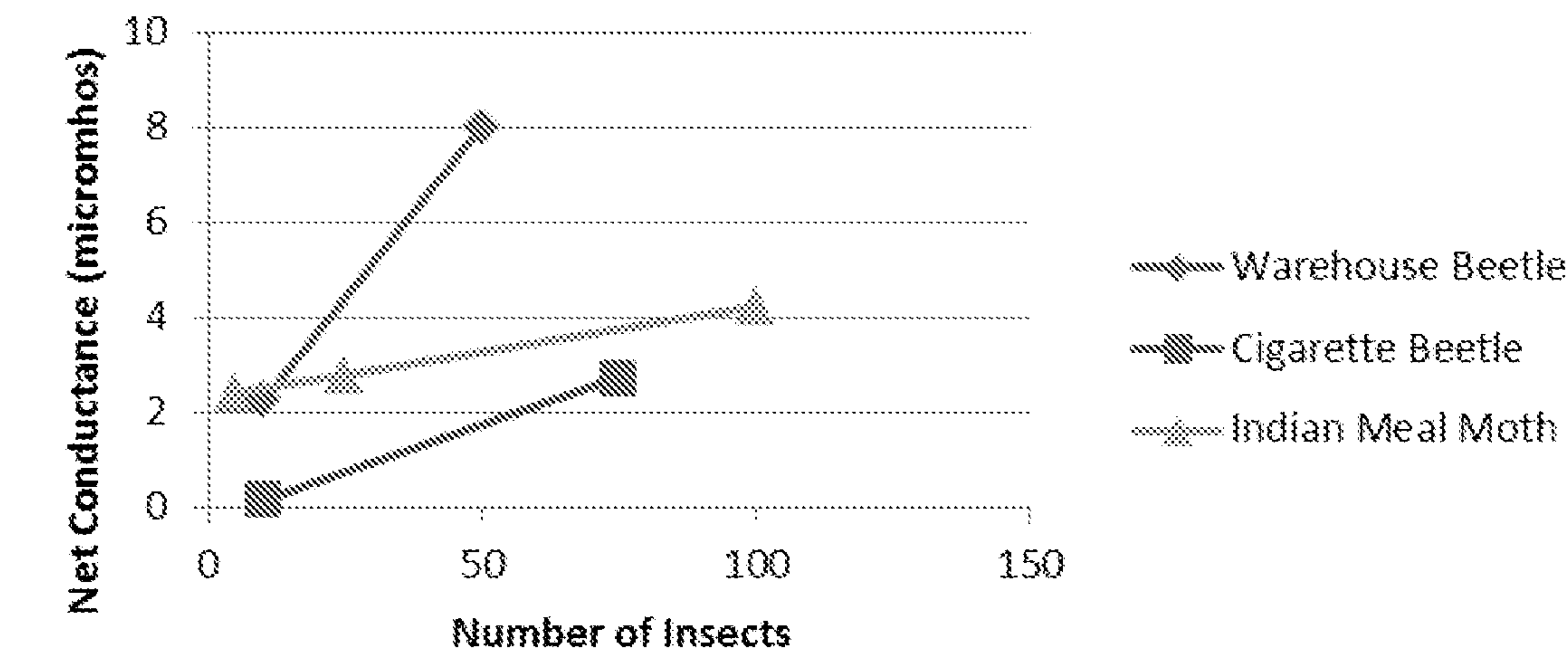


FIG. 13A

Sensor Response vs Insect Number Pt-
catalyzed Chip - Pos#4

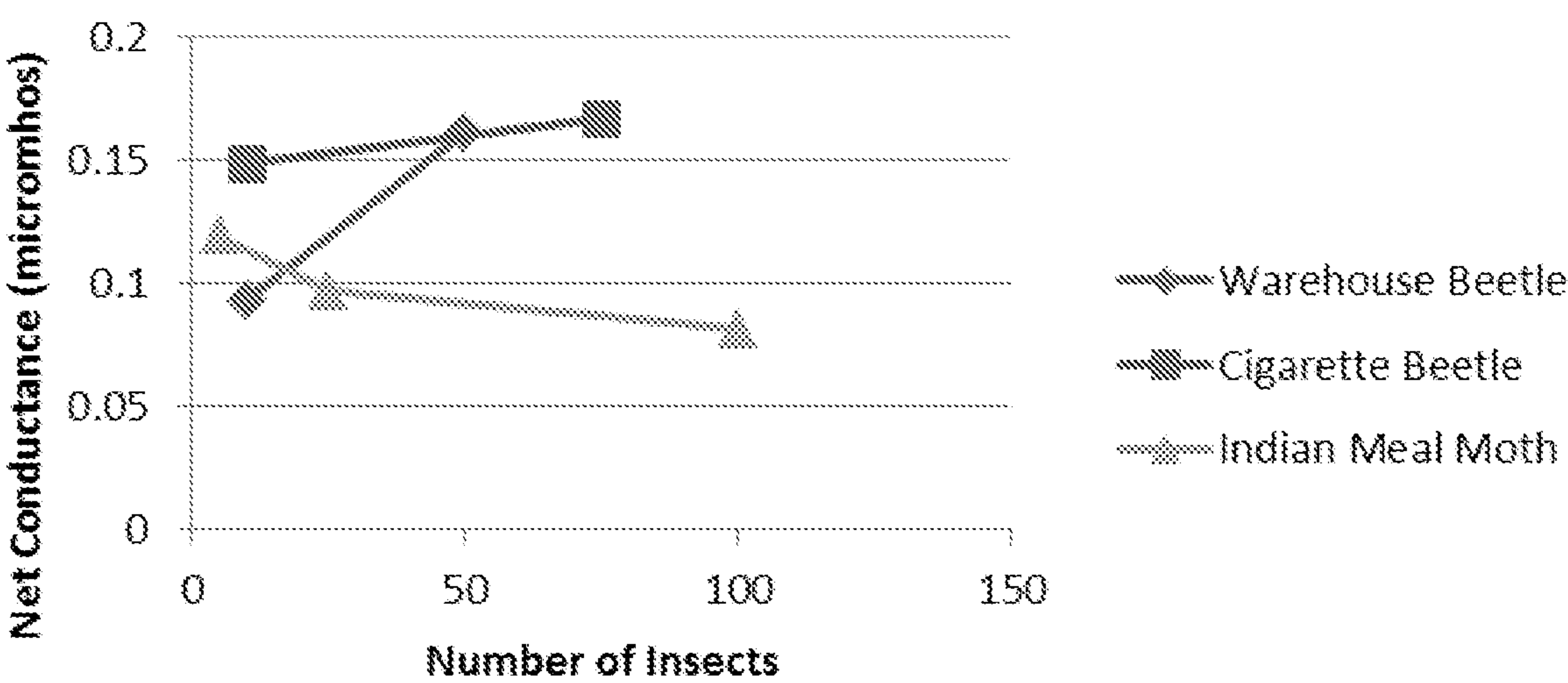


FIG. 13B

Sensor Response vs Insect Number
Mo-catalyzed Chip - Pos#5

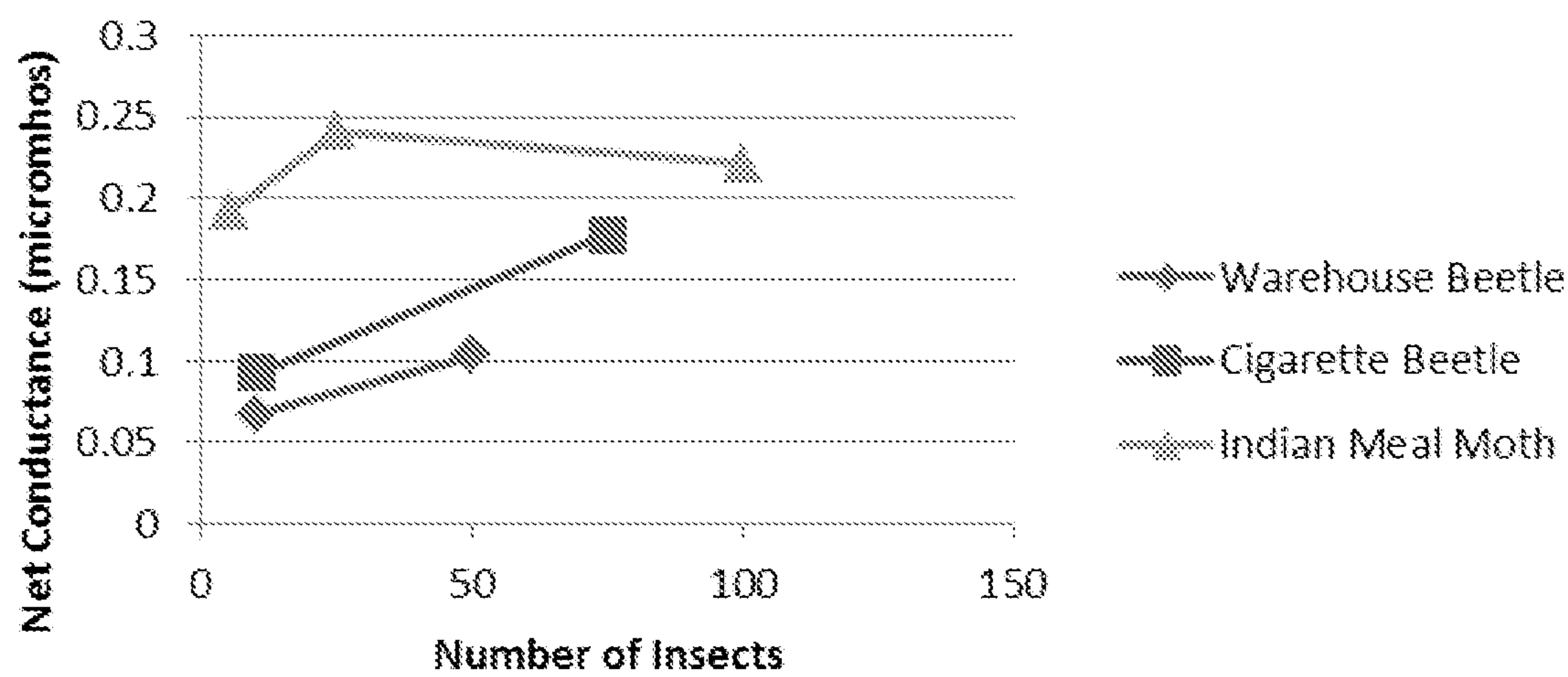


FIG. 13C

Sensor Response vs Insect Number
Os-catalyzed Chip - Pos#6

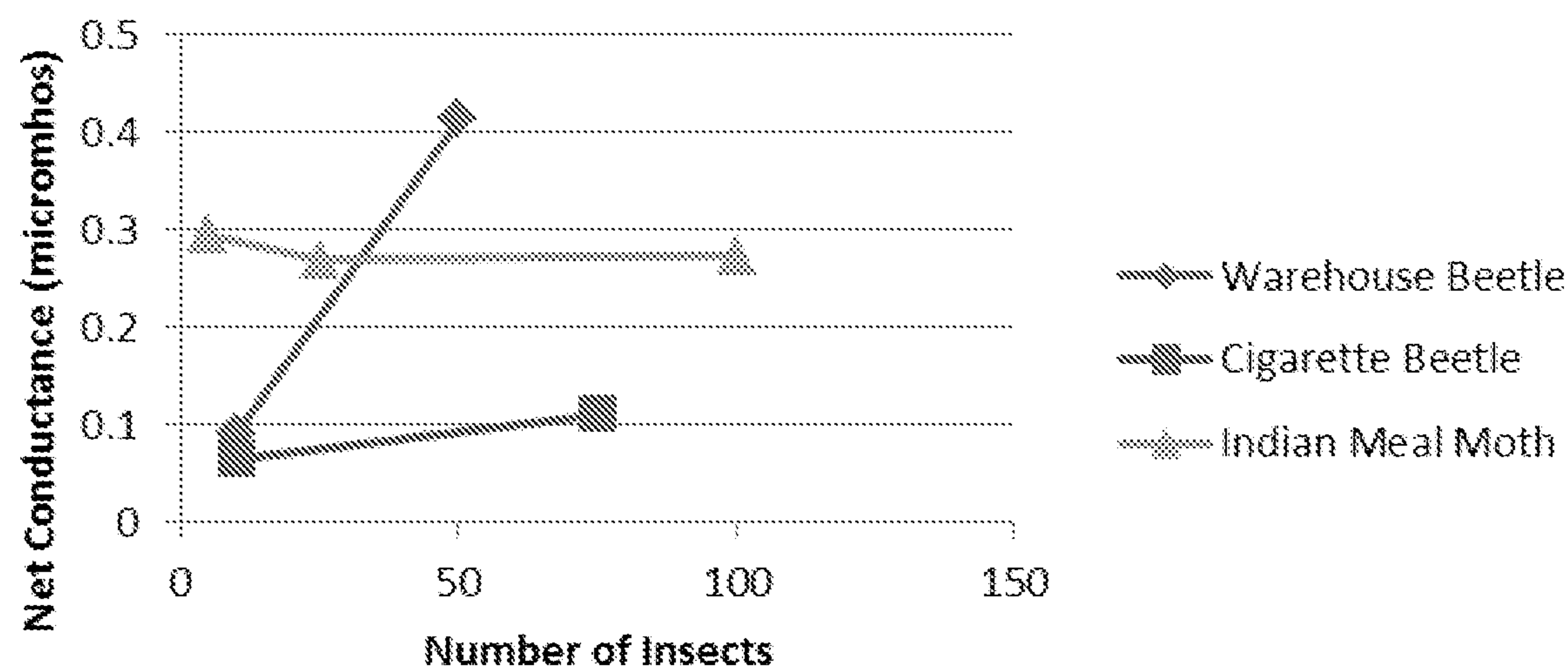


FIG. 13D