FIG. 17

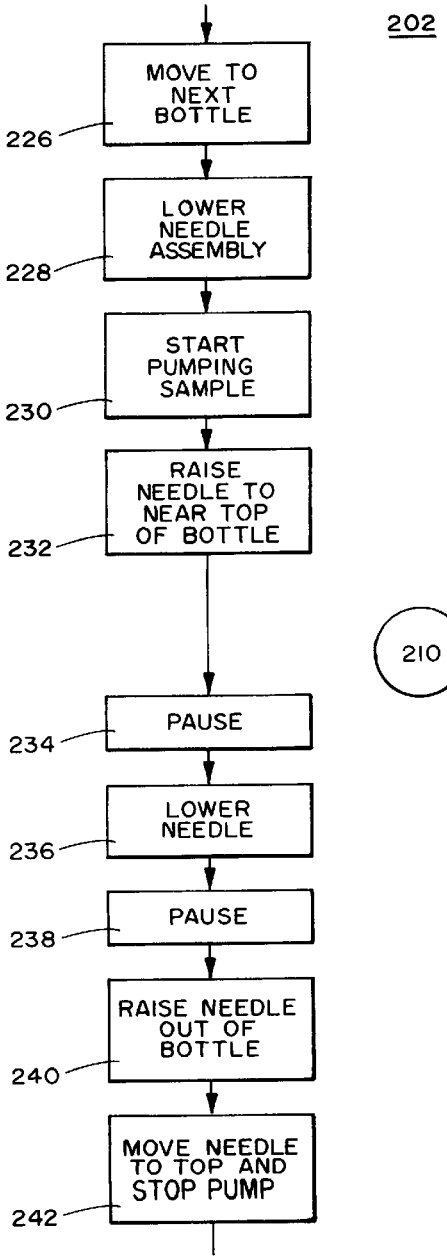
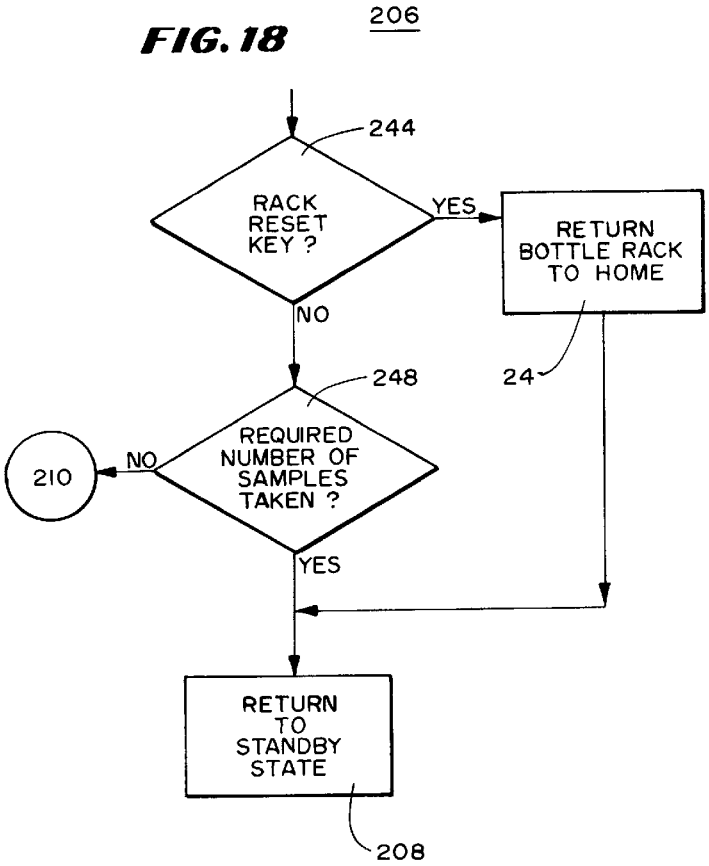

202
MOVE TO NEXT BOTTLE
226
LOWER NEEDLE ASSEMBLY
228
START PUMPING SAMPLE
230
RAISE NEEDLE TO NEAR TOP OF BOTTLE
232
PAUSE
234
LOWER NEEDLE
236
PAUSE
238
RAISE NEEDLE OUT OF BOTTLE
240
MOVE NEEDLE TO TOP AND STOP PUMP
242

FIG. 18


206
244
RACK RESET KEY ?
YES
RETURN BOTTLE RACK TO HOME
24
NO
248
REQUIRED NUMBER OF SAMPLES TAKEN ?
NO
210
YES
RETURN TO STANDBY STATE
208