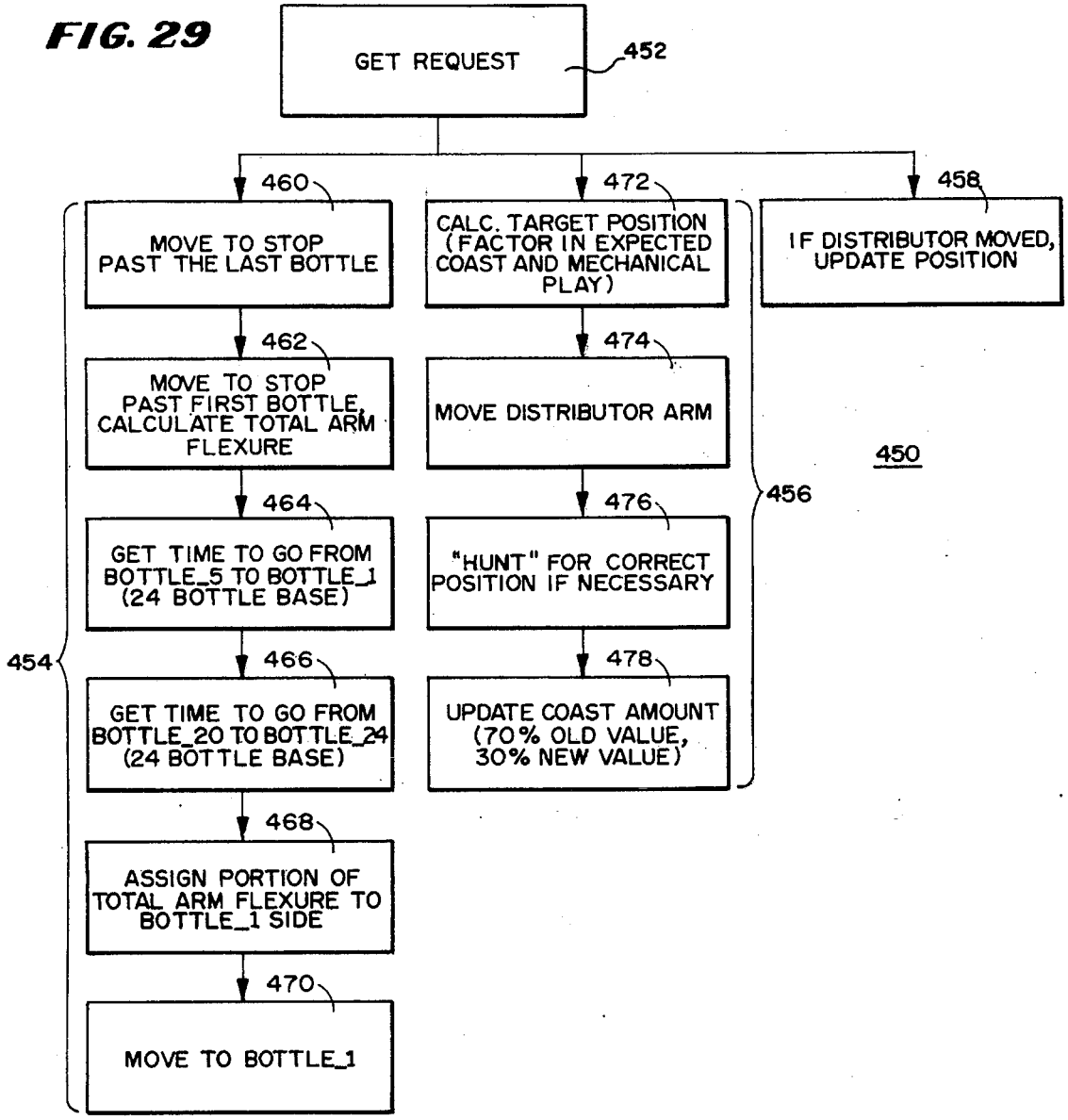
FIG. 29


GET REQUEST
452
460
MOVE TO STOP PAST THE LAST BOTTLE
462
MOVE TO STOP PAST FIRST BOTTLE, CALCULATE TOTAL ARM FLEXURE
464
GET TIME TO GO FROM BOTTLE_5 TO BOTTLE_1 (24 BOTTLE BASE)
466
GET TIME TO GO FROM BOTTLE_20 TO BOTTLE_24 (24 BOTTLE BASE)
468
ASSIGN PORTION OF TOTAL ARM FLEXURE TO BOTTLE_1 SIDE
470
MOVE TO BOTTLE_1
454
472
CALC. TARGET POSITION (FACTOR IN EXPECTED COAST AND MECHANICAL PLAY)
474
MOVE DISTRIBUTOR ARM
476
"HUNT" FOR CORRECT POSITION IF NECESSARY
478
UPDATE COAST AMOUNT (70% OLD VALUE, 30% NEW VALUE)
456
458
IF DISTRIBUTOR MOVED, UPDATE POSITION
450