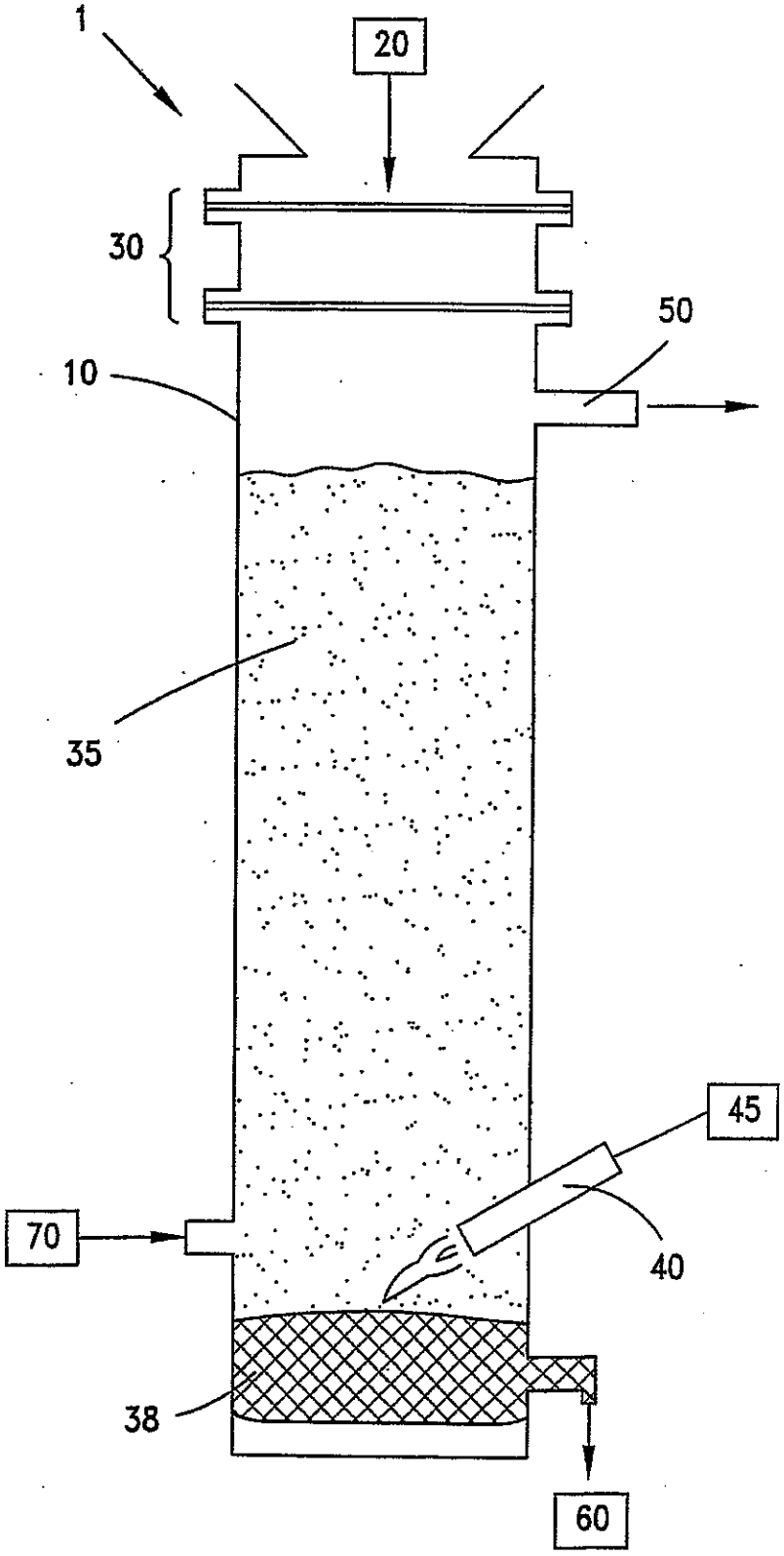


Fig. 1 PRIOR ART

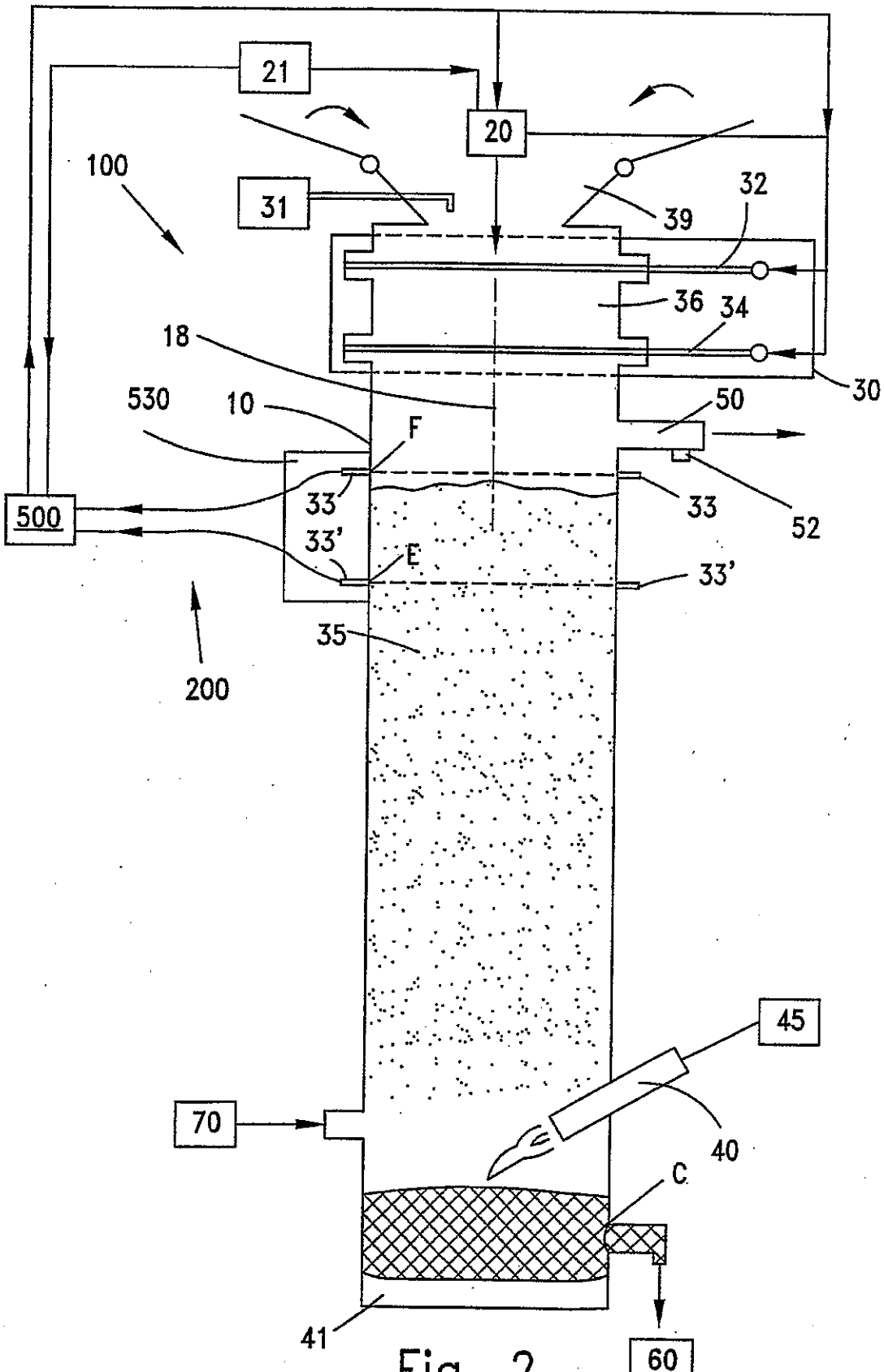

21
20
100
31
39
32
36
34
18
30
530
10
50
F
500
33
33
52
33'
E
33'
35
200
45
70
40
C
41
60

Fig. 2

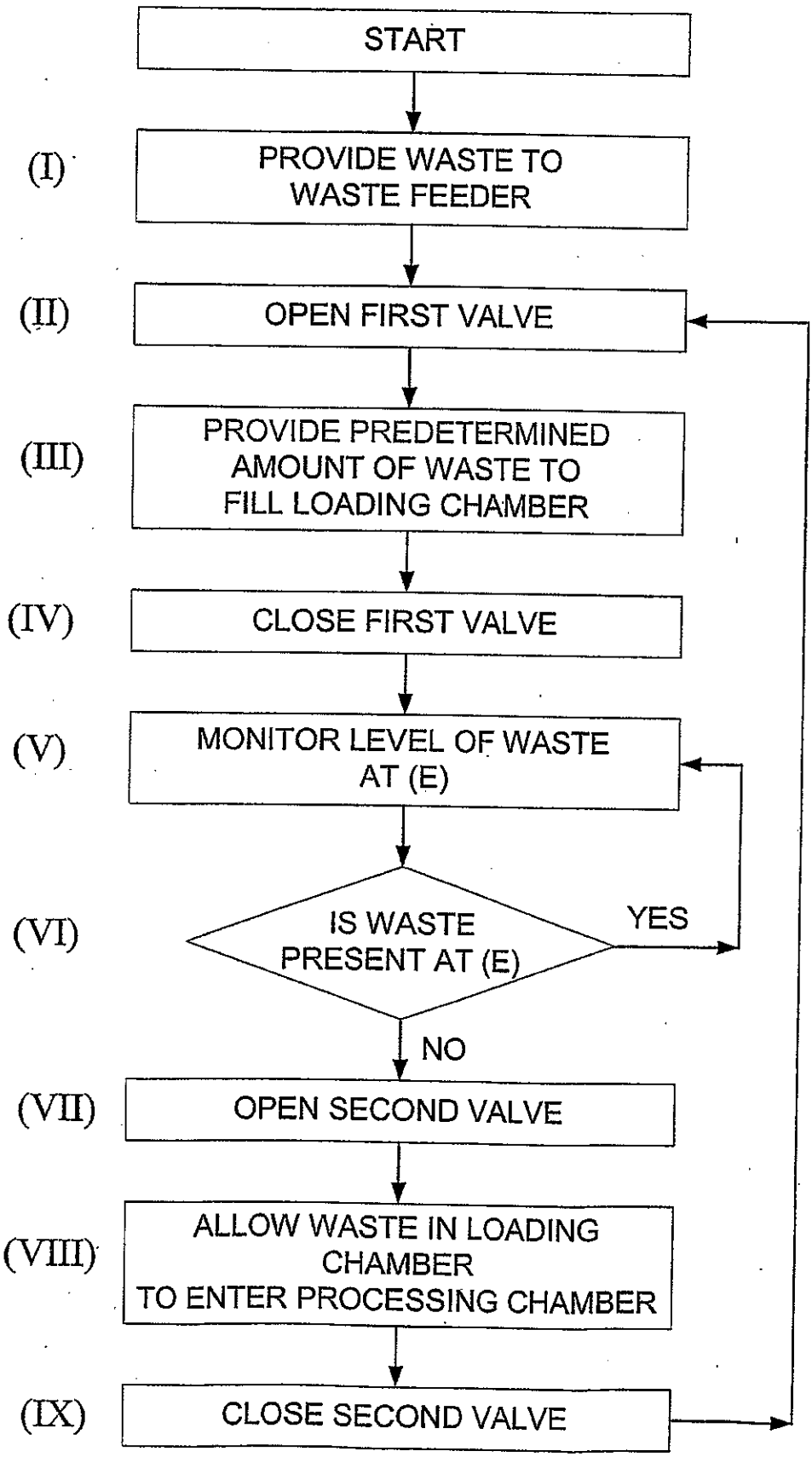

START
(I)
PROVIDE WASTE TO WASTE FEEDER
(II)
OPEN FIRST VALVE
(III)
PROVIDE PREDETERMINED AMOUNT OF WASTE TO FILL LOADING CHAMBER
(IV)
CLOSE FIRST VALVE
(V)
MONITOR LEVEL OF WASTE AT (E)
(VI)
IS WASTE PRESENT AT (E)
YES
NO
(VII)
OPEN SECOND VALVE
(VIII)
ALLOW WASTE IN LOADING CHAMBER TO ENTER PROCESSING CHAMBER
(IX)
CLOSE SECOND VALVE

Fig. 3

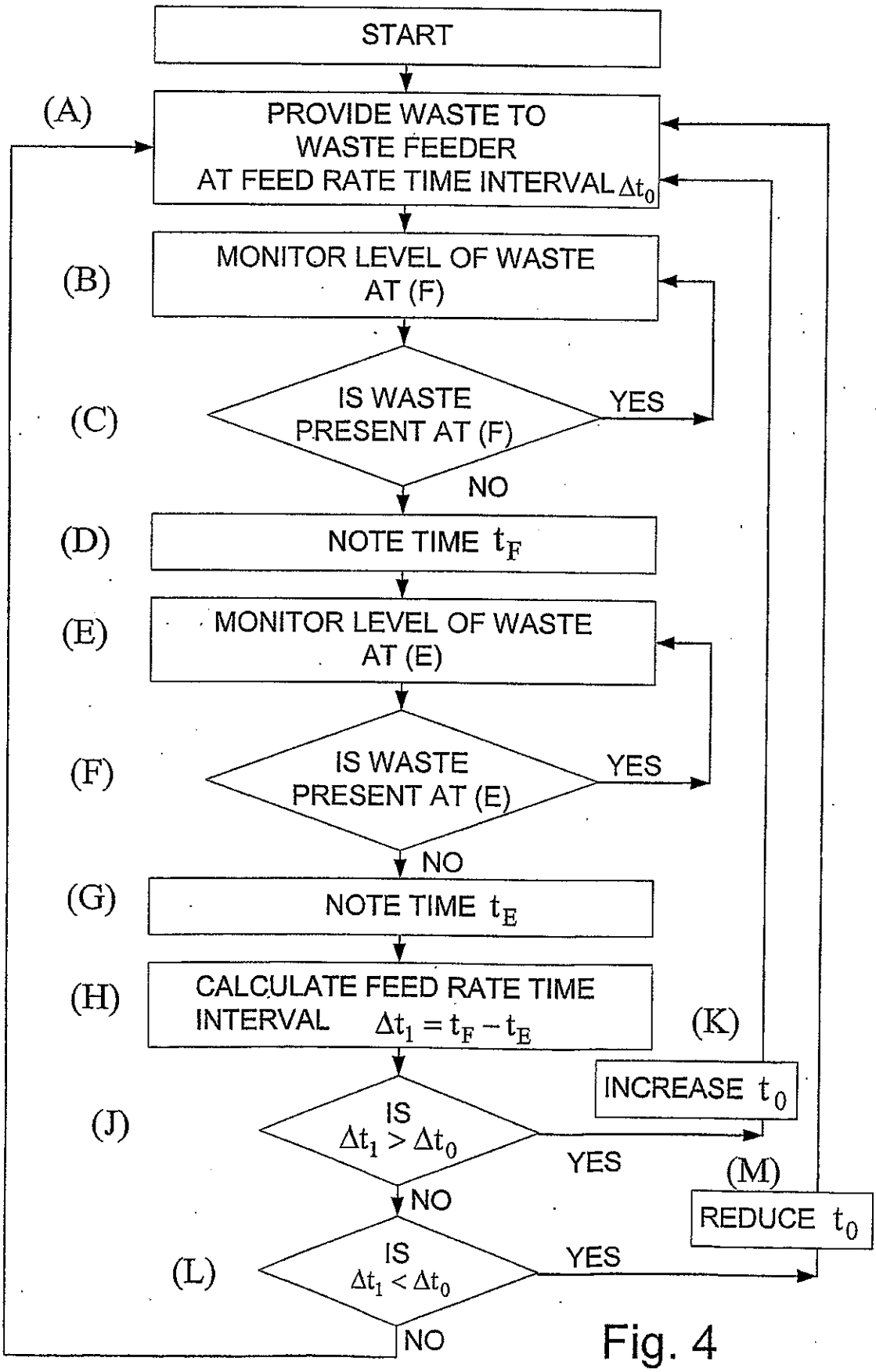

START
(A)
PROVIDE WASTE TO WASTE FEEDER AT FEED RATE TIME INTERVAL Δt_0
(B)
MONITOR LEVEL OF WASTE AT (F)
(C)
IS WASTE PRESENT AT (F)
YES
NO
(D)
NOTE TIME t_F
(E)
MONITOR LEVEL OF WASTE AT (E)
(F)
IS WASTE PRESENT AT (E)
YES
NO
(G)
NOTE TIME t_E
(H)
CALCULATE FEED RATE TIME INTERVAL $\Delta t_1 = t_F - t_E$
(K)
INCREASE t_0
(J)
IS $\Delta t_1 > \Delta t_0$
YES
NO
(M)
REDUCE t_0
(L)
IS $\Delta t_1 < \Delta t_0$
YES
NO

Fig. 4