FIG. 1

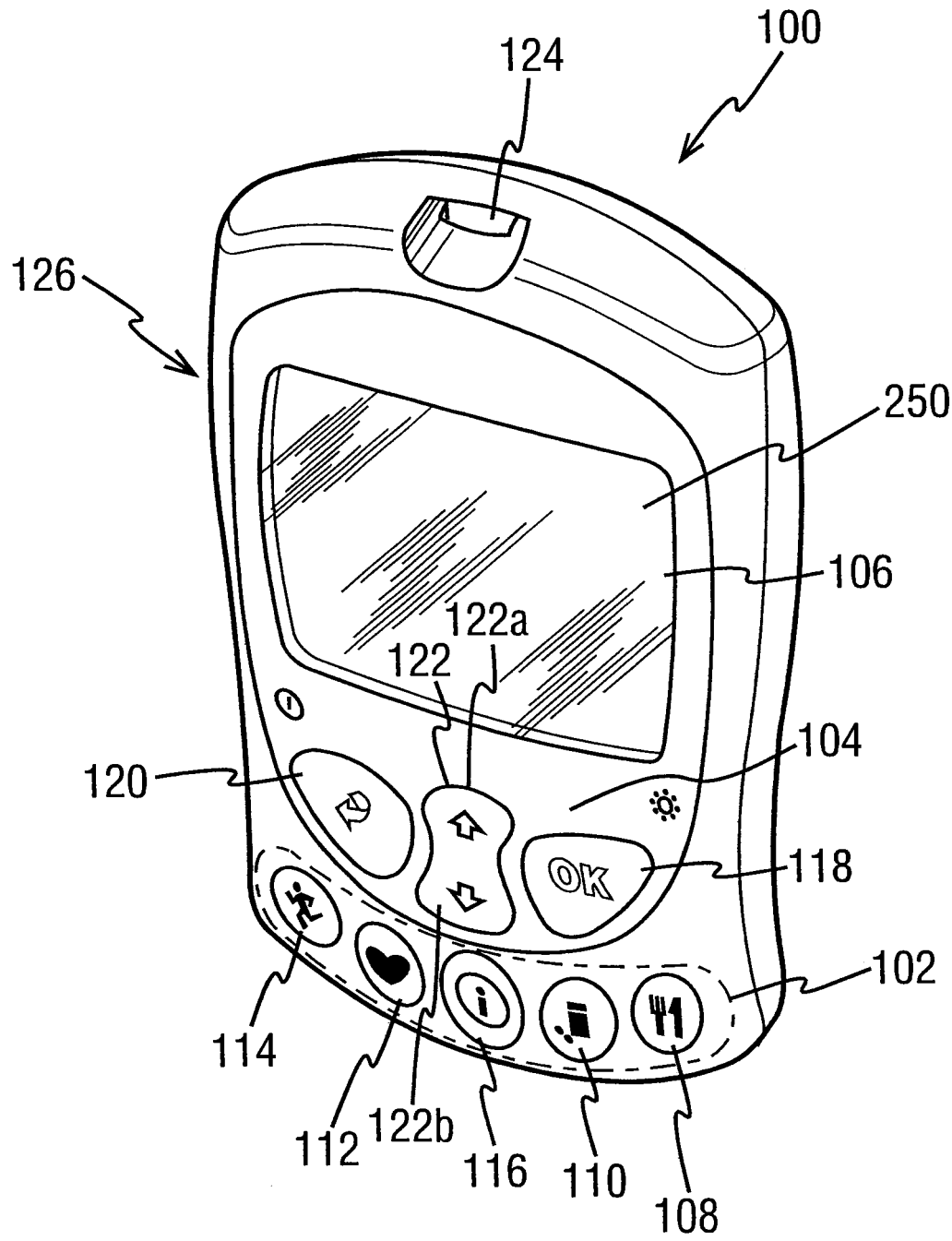

100
124
126
250
106
122a
122
104
120
OK
118
102
114
112
122b
116
110
108

FIG. 2a

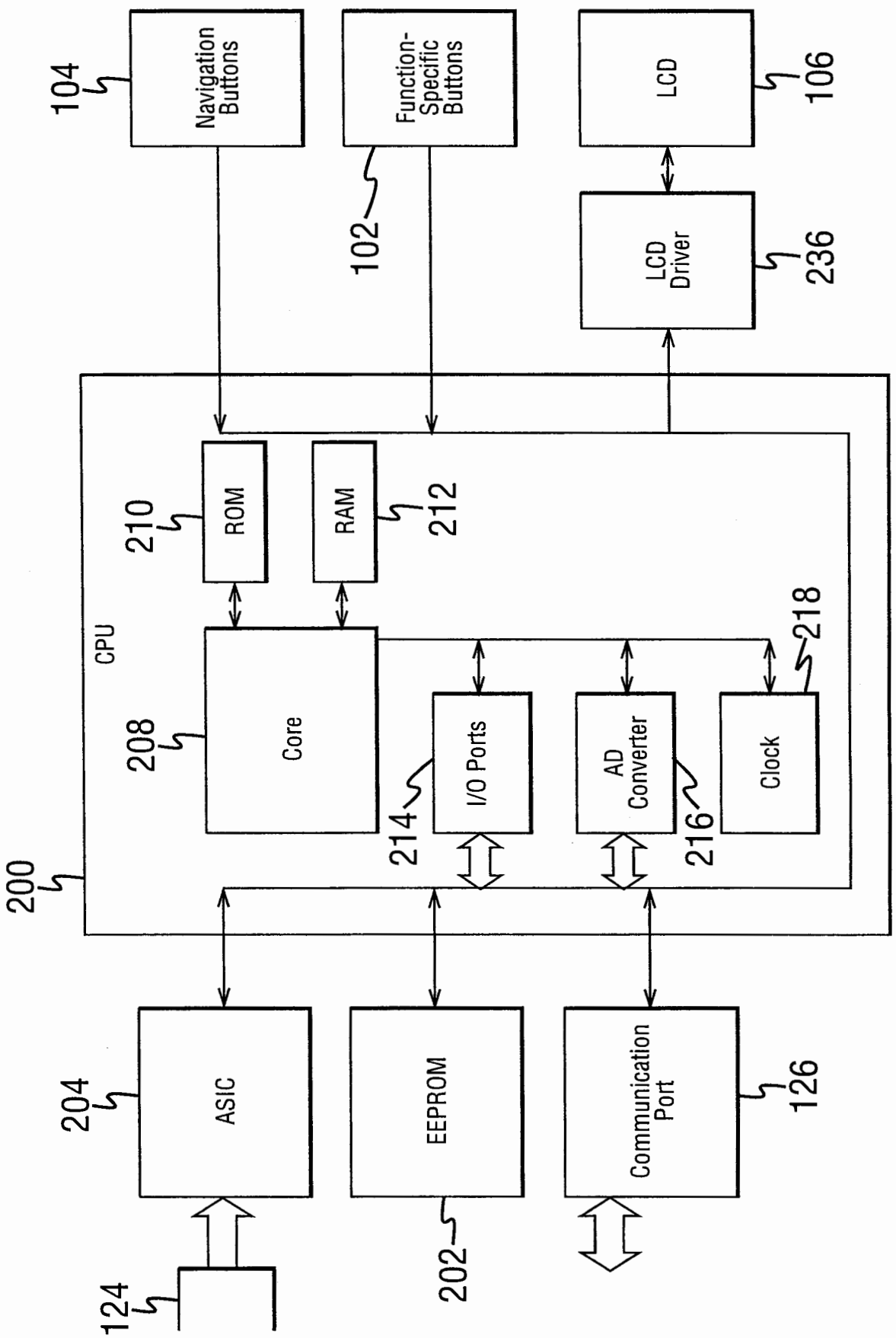

104
Navigation Buttons
102
Function-Specific Buttons
LCD
106
LCD Driver
236
200
CPU
210
ROM
212
RAM
208
Core
214
I/O Ports
AD Converter
216
Clock
218
204
ASIC
EEPROM
202
Communication Port
126
124

FIG. 2b

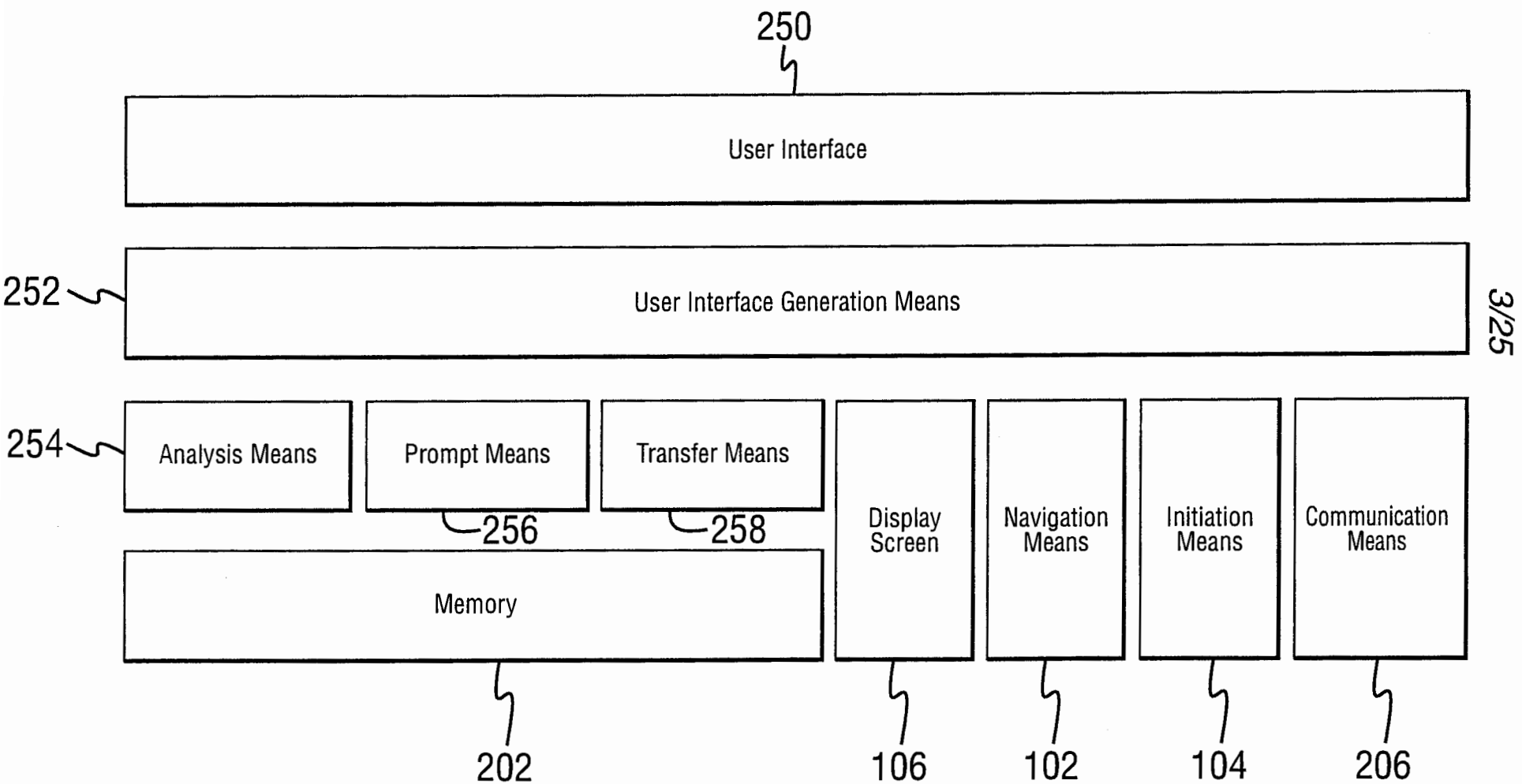

250
User Interface
252
User Interface Generation Means
3/25
254
Analysis Means
Prompt Means
Transfer Means
256
258
Memory
Display Screen
Navigation Means
Initiation Means
Communication Means
202
106
102
104
206

FIG. 3

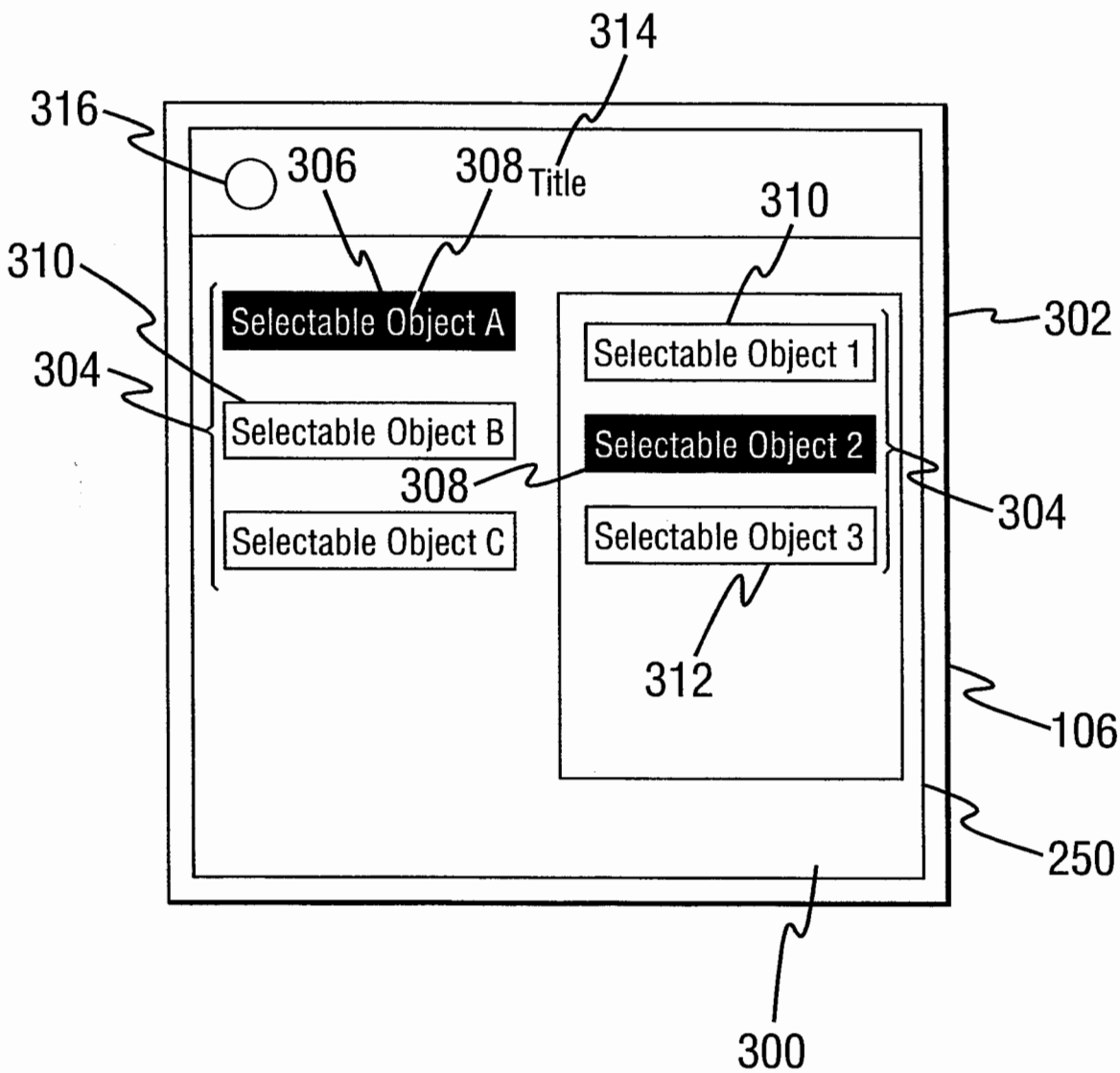
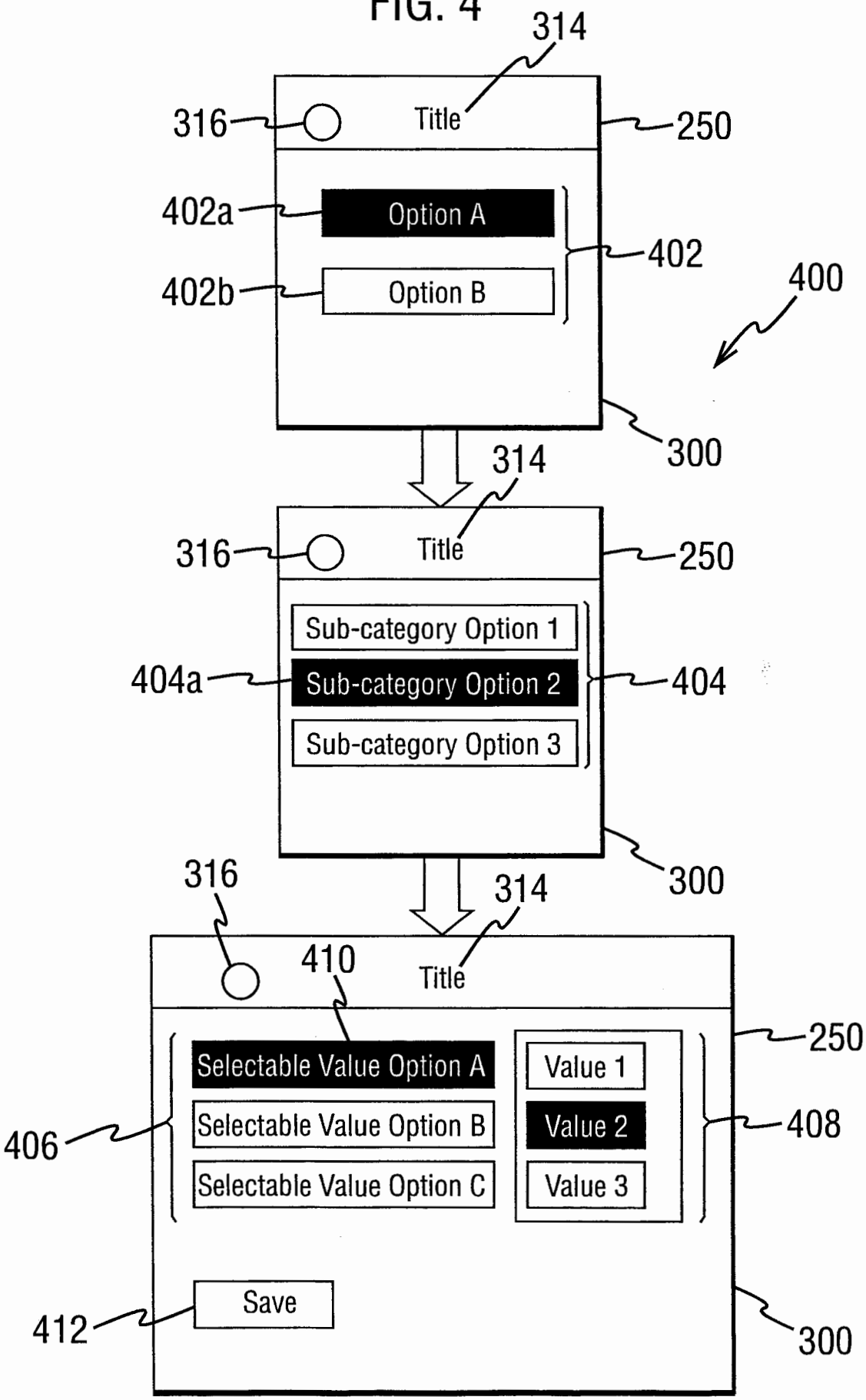

314
316
306
308
Title
310
310
Selectable Object A
302
304
Selectable Object B
Selectable Object 1
Selectable Object 2
308
304
Selectable Object C
Selectable Object 3
312
106
250
300

FIG. 4


314
316
Title
250
402a
Option A
402b
Option B
402
400
300
314
316
Title
250
Sub-category Option 1
404a
Sub-category Option 2
Sub-category Option 3
404
300
316
314
410
Title
250
Selectable Value Option A
Selectable Value Option B
Selectable Value Option C
406
Value 1
Value 2
Value 3
408
Save
412
300

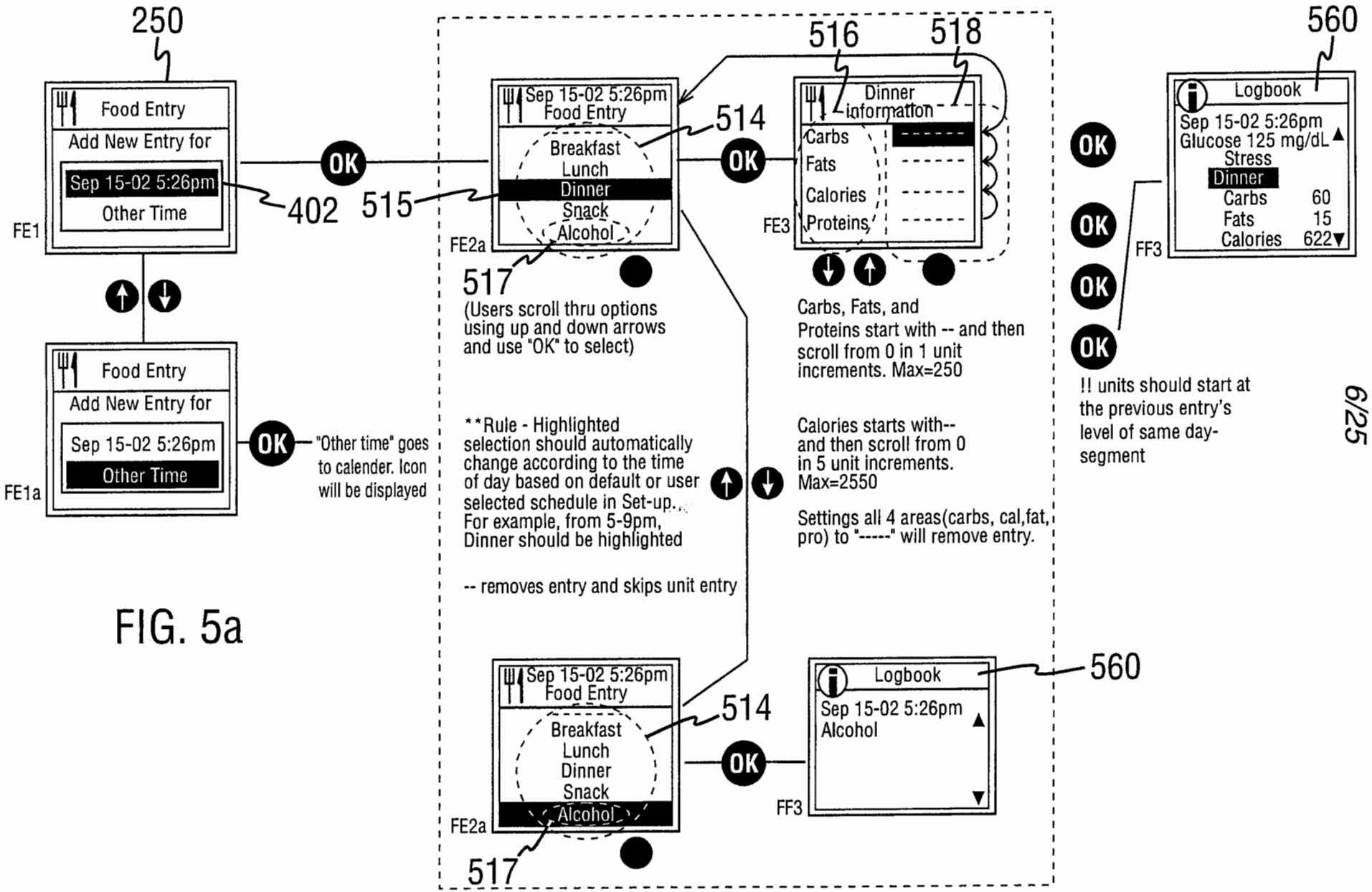

250
Food Entry
Add New Entry for
Sep 15-02 5:26pm
Other Time
FE1
OK
402
Food Entry
Add New Entry for
Sep 15-02 5:26pm
Other Time
FE1a
OK
"Other time" goes to calender. Icon will be displayed
Sep 15-02 5:26pm Food Entry
Breakfast
Lunch
Dinner
Snack
Alcohol
FE2a
515
517
(Users scroll thru options using up and down arrows and use "OK" to select)
514
OK
516
518
Dinner information
Carbs
Fats
Calories
Proteins
FE3
Carbs, Fats, and Proteins start with -- and then scroll from 0 in 1 unit increments. Max=250
Calories starts with-- and then scroll from 0 in 5 unit increments. Max=2550
Settings all 4 areas(carbs, cal,fat, pro) to "-----" will remove entry.
**Rule - Highlighted selection should automatically change according to the time of day based on default or user selected schedule in Set-up.. For example, from 5-9pm, Dinner should be highlighted
-- removes entry and skips unit entry
560
Logbook
Sep 15-02 5:26pm
Glucose 125 mg/dL
Stress
Dinner
Carbs 60
Fats 15
Calories 622
FF3
OK
!! units should start at the previous entry's level of same day-segment
Sep 15-02 5:26pm Food Entry
Breakfast
Lunch
Dinner
Snack
Alcohol
FE2a
517
514
OK
Logbook
Sep 15-02 5:26pm
Alcohol
FF3
560

FIG. 5a

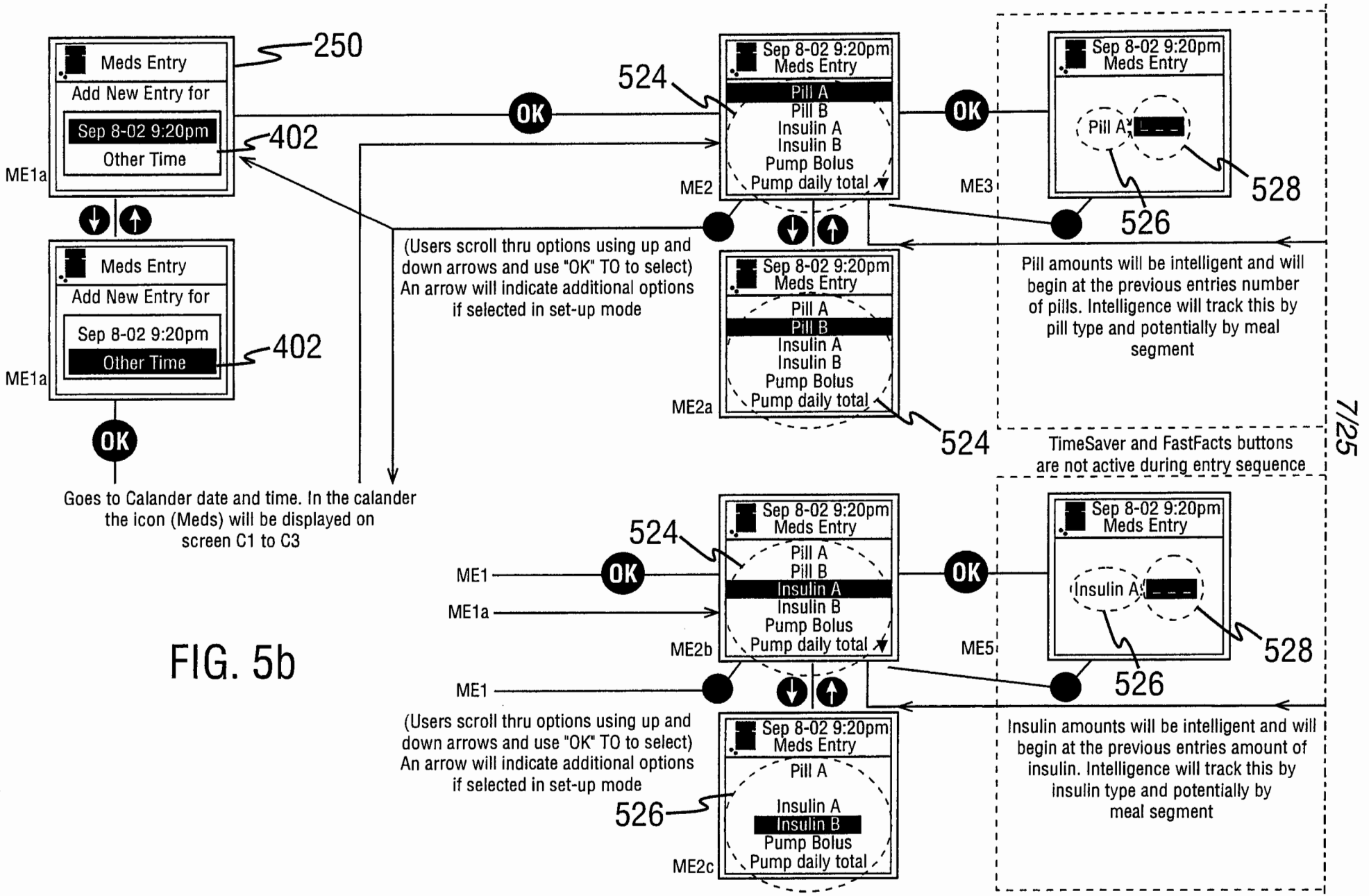

Meds Entry
Add New Entry for
Sep 8-02 9:20pm
Other Time
250
402
ME1a
OK
Goes to Calander date and time. In the calander the icon (Meds) will be displayed on screen C1 to C3
Sep 8-02 9:20pm Meds Entry
Pill A
Pill B
Insulin A
Insulin B
Pump Bolus
Pump daily total
524
ME2
(Users scroll thru options using up and down arrows and use "OK" TO to select) An arrow will indicate additional options if selected in set-up mode
ME2a
ME3
Pill A
528
526
Pill amounts will be intelligent and will begin at the previous entries number of pills. Intelligence will track this by pill type and potentially by meal segment
TimeSaver and FastFacts buttons are not active during entry sequence
ME1
ME1a
ME2b
Insulin A
ME5
Insulin amounts will be intelligent and will begin at the previous entries amount of insulin. Intelligence will track this by insulin type and potentially by meal segment
ME2c
526

FIG. 5b

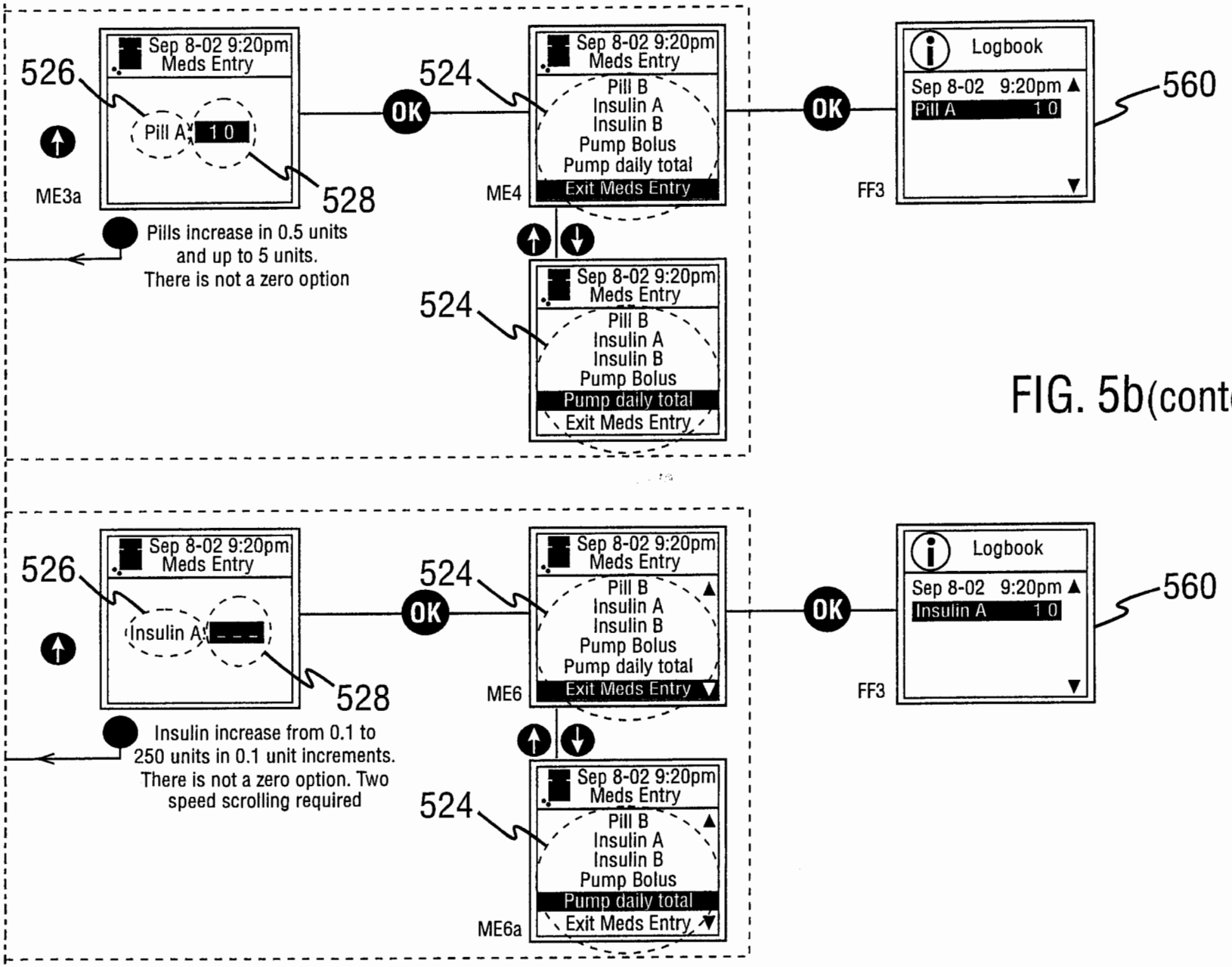
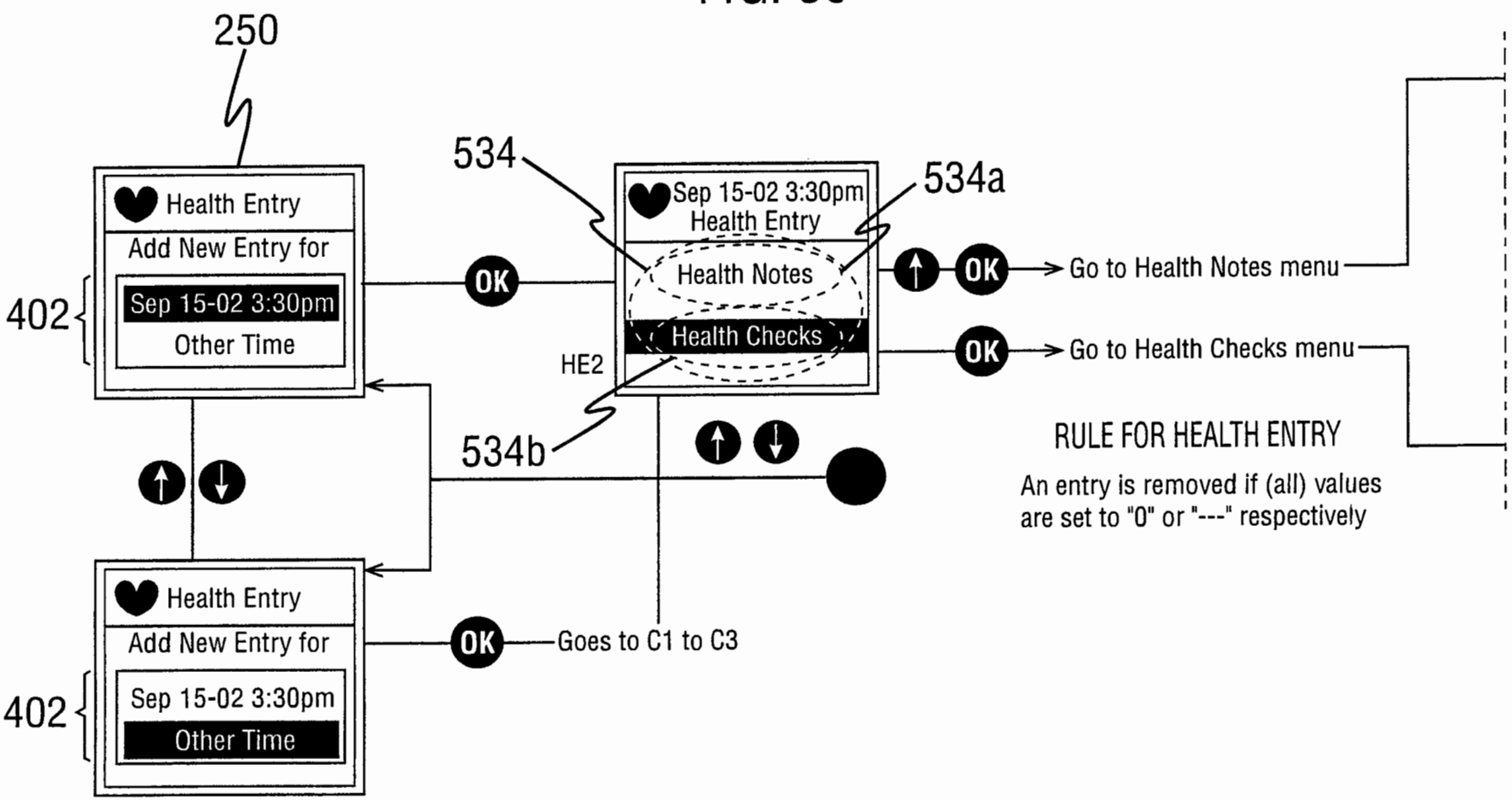

526
Sep 8-02 9:20pm
Meds Entry
Pill A 1 0
528
ME3a
Pills increase in 0.5 units
and up to 5 units.
There is not a zero option
OK
524
Sep 8-02 9:20pm
Meds Entry
Pill B
Insulin A
Insulin B
Pump Bolus
Pump daily total
Exit Meds Entry
ME4
OK
Logbook
Sep 8-02 9:20pm
Pill A 1 0
FF3
560
524
Sep 8-02 9:20pm
Meds Entry
Pill B
Insulin A
Insulin B
Pump Bolus
Pump daily total
Exit Meds Entry
526
Sep 8-02 9:20pm
Meds Entry
Insulin A
528
Insulin increase from 0.1 to
250 units in 0.1 unit increments.
There is not a zero option. Two
speed scrolling required
OK
524
Sep 8-02 9:20pm
Meds Entry
Pill B
Insulin A
Insulin B
Pump Bolus
Pump daily total
Exit Meds Entry
ME6
OK
Logbook
Sep 8-02 9:20pm
Insulin A 1 0
FF3
560
524
Sep 8-02 9:20pm
Meds Entry
Pill B
Insulin A
Insulin B
Pump Bolus
Pump daily total
Exit Meds Entry
ME6a

FIG. 5b(contd)

FIG. 5c


250
Health Entry
Add New Entry for
Sep 15-02 3:30pm
Other Time
402
OK
534
Sep 15-02 3:30pm
Health Entry
Health Notes
Health Checks
534a
HE2
534b
OK
Go to Health Notes menu
OK
Go to Health Checks menu
RULE FOR HEALTH ENTRY
An entry is removed if (all) values
are set to "0" or "---" respectively
Health Entry
Add New Entry for
Sep 15-02 3:30pm
Other Time
402
OK
Goes to C1 to C3

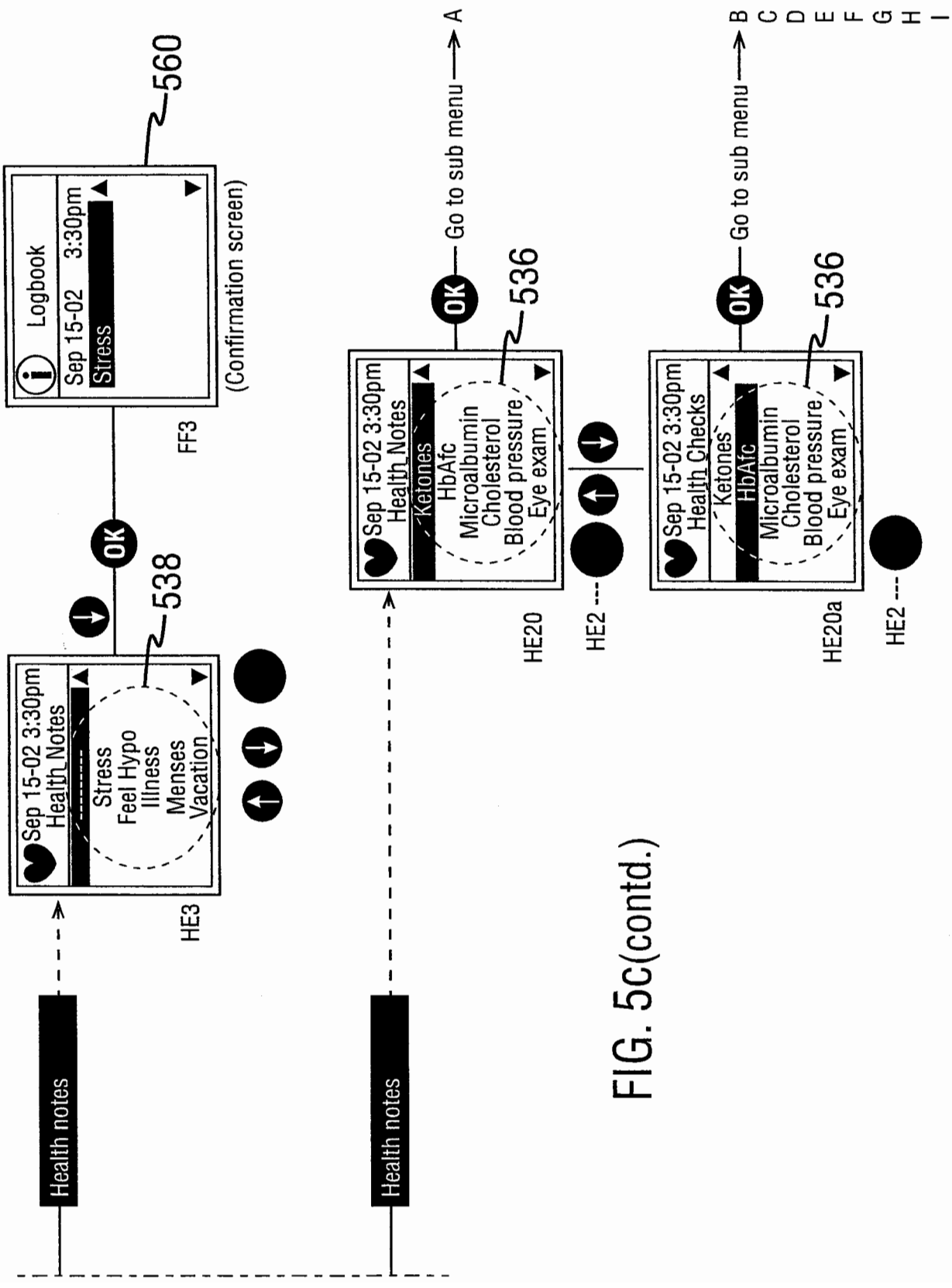
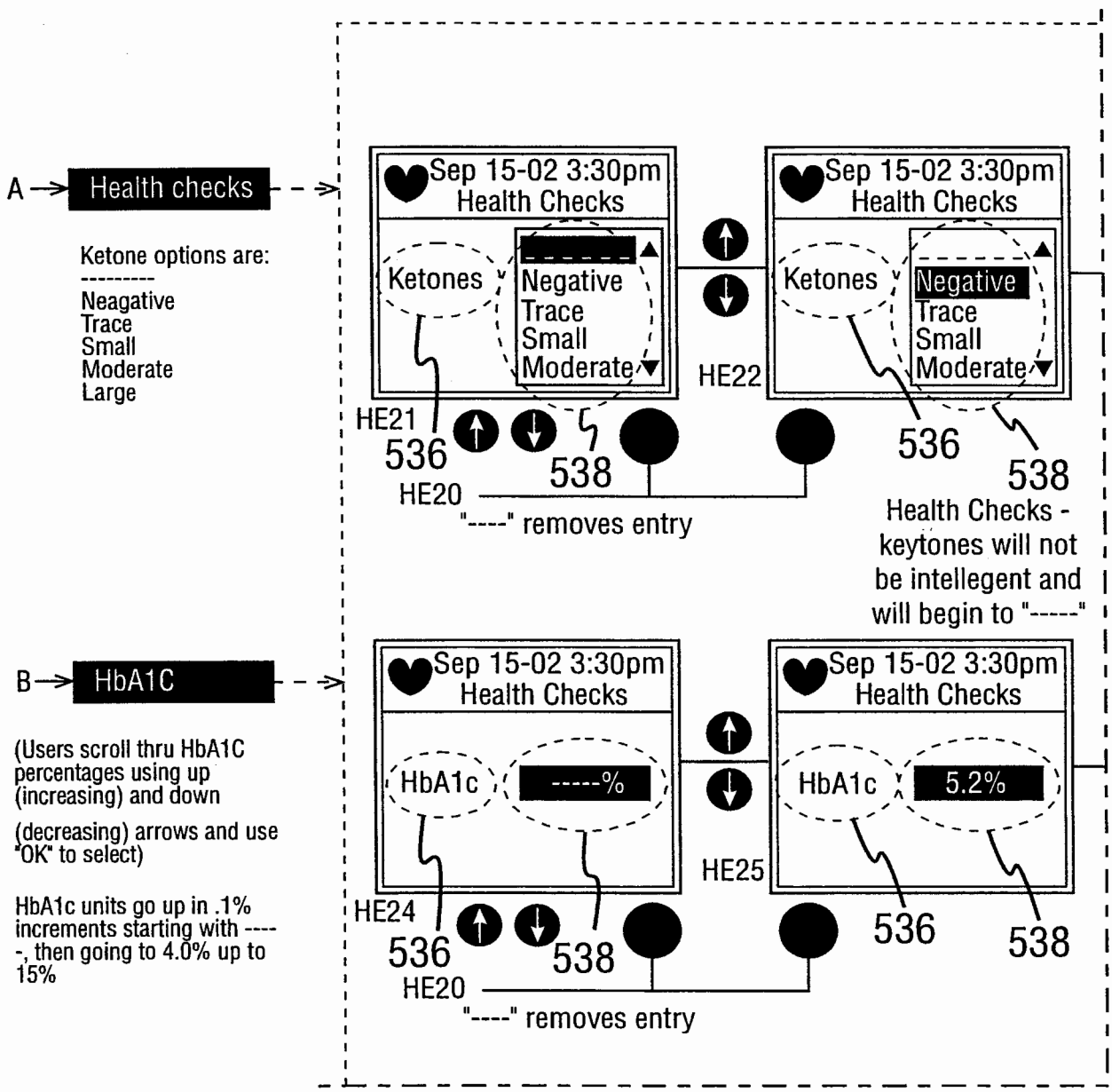

Health notes
Sep 15-02 3:30pm
Health Notes
Stress
Feel Hypo
Illness
Menses
Vacation
538
OK
HE3
Logbook
Sep 15-02 3:30pm
Stress
560
FF3
(Confirmation screen)
Health notes
Sep 15-02 3:30pm
Health Notes
Ketones
HbAfc
Microalbumin
Cholesterol
Blood pressure
Eye exam
536
OK
Go to sub menu
A
HE20
HE2
Sep 15-02 3:30pm
Health Checks
Ketones
HbAfc
Microalbumin
Cholesterol
Blood pressure
Eye exam
536
OK
Go to sub menu
B
C
D
E
F
G
H
I
HE20a
HE2

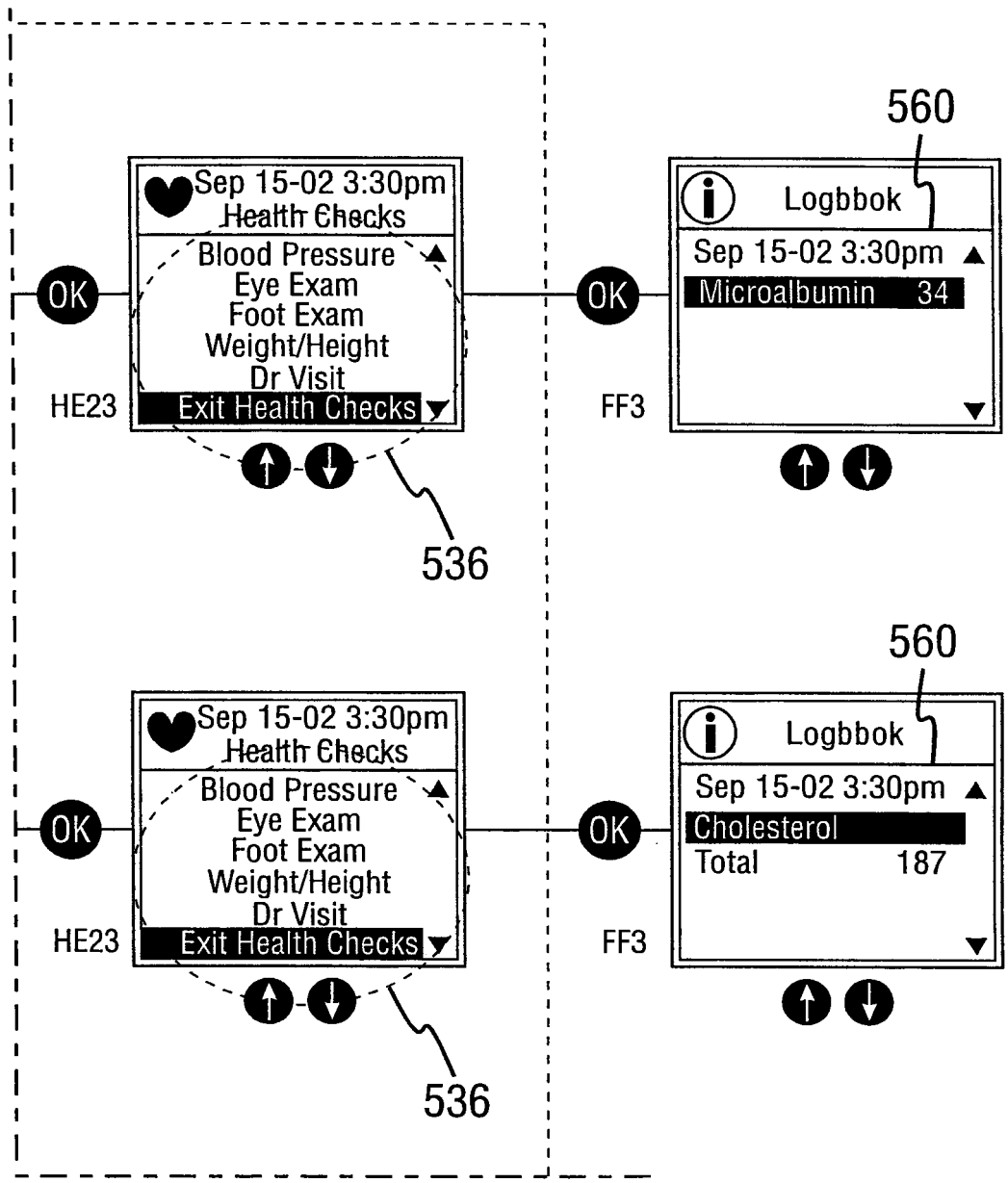
FIG. 5c(contd.)

FIG. 5c(contd.)


A
Health checks
Ketone options are:

Neagative
Trace
Small
Moderate
Large
Sep 15-02 3:30pm
Health Checks
Ketones
Negative
Trace
Small
Moderate
HE21
536
538
HE20
"----" removes entry
HE22
Sep 15-02 3:30pm
Health Checks
Ketones
Negative
Trace
Small
Moderate
536
538
Health Checks - keytones will not be intellegent and will begin to "-----"
B
HbA1C
(Users scroll thru HbA1C percentages using up (increasing) and down
(decreasing) arrows and use "OK" to select)
HbA1c units go up in .1% increments starting with ----, then going to 4.0% up to 15%
Sep 15-02 3:30pm
Health Checks
HbA1c
-----%
HE24
536
538
HE20
"----" removes entry
HE25
Sep 15-02 3:30pm
Health Checks
HbA1c
5.2%
536
538

FIG. 5c(contd.)


560
Sep 15-02 3:30pm
Health Checks
Blood Pressure
Eye Exam
Foot Exam
Weight/Height
Dr Visit
Exit Health Checks
OK
HE23
OK
FF3
Logbbok
Sep 15-02 3:30pm
Microalbumin 34
536
560
Sep 15-02 3:30pm
Health Checks
Blood Pressure
Eye Exam
Foot Exam
Weight/Height
Dr Visit
Exit Health Checks
OK
HE23
OK
FF3
Logbbok
Sep 15-02 3:30pm
Cholesterol
Total 187
536

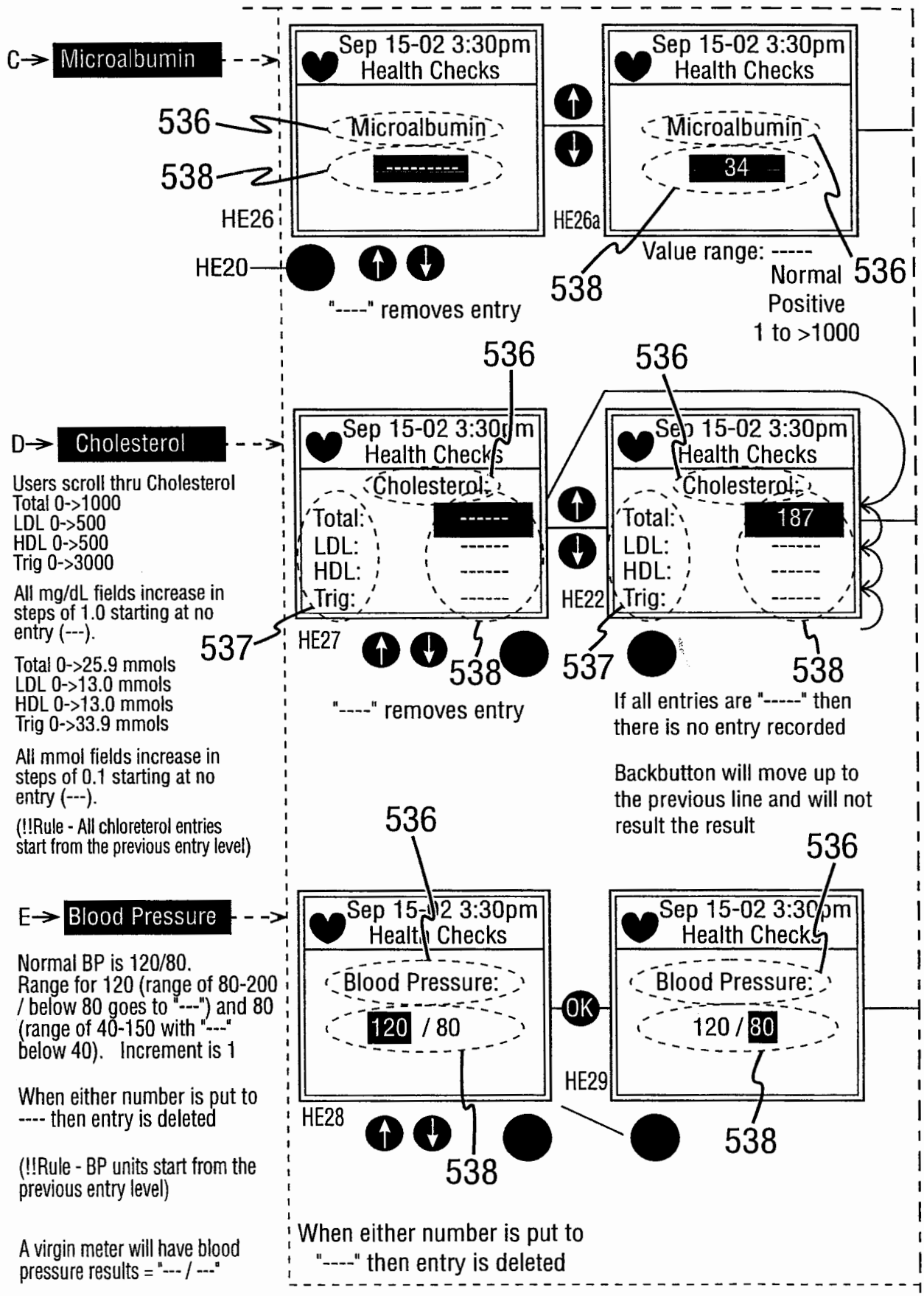

C→ Microalbumin
536
538
HE26
HE20
Sep 15-02 3:30pm
Health Checks
Microalbumin
"----" removes entry
HE26a
34
Value range: -----
Normal
Positive
1 to >1000
D→ Cholesterol
Users scroll thru Cholesterol
Total 0->1000
LDL 0->500
HDL 0->500
Trig 0->3000
All mg/dL fields increase in steps of 1.0 starting at no entry (---).
Total 0->25.9 mmols
LDL 0->13.0 mmols
HDL 0->13.0 mmols
Trig 0->33.9 mmols
All mmol fields increase in steps of 0.1 starting at no entry (---).
(!!Rule - All chloreterol entries start from the previous entry level)
Cholesterol:
Total:
LDL:
HDL:
Trig:
537
HE27
HE22
187
"----" removes entry
If all entries are "------" then there is no entry recorded
Backbutton will move up to the previous line and will not result the result
E→ Blood Pressure
Normal BP is 120/80.
Range for 120 (range of 80-200 / below 80 goes to "---") and 80 (range of 40-150 with "---" below 40). Increment is 1
When either number is put to ---- then entry is deleted
(!!Rule - BP units start from the previous entry level)
A virgin meter will have blood pressure results = "--- / ---"
Blood Pressure:
120 / 80
OK
HE28
HE29
When either number is put to "----" then entry is deleted

FIG. 5c(contd.)

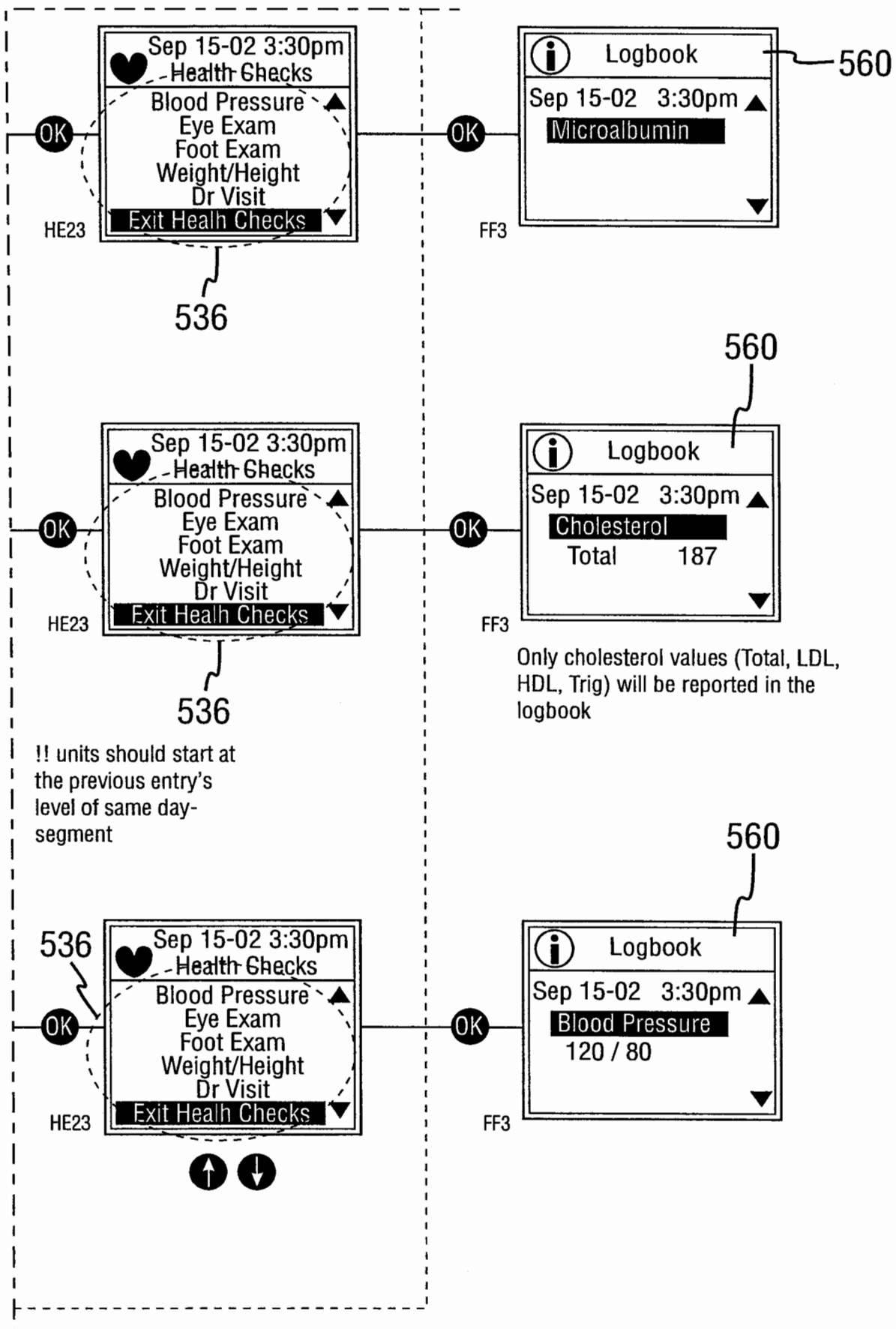
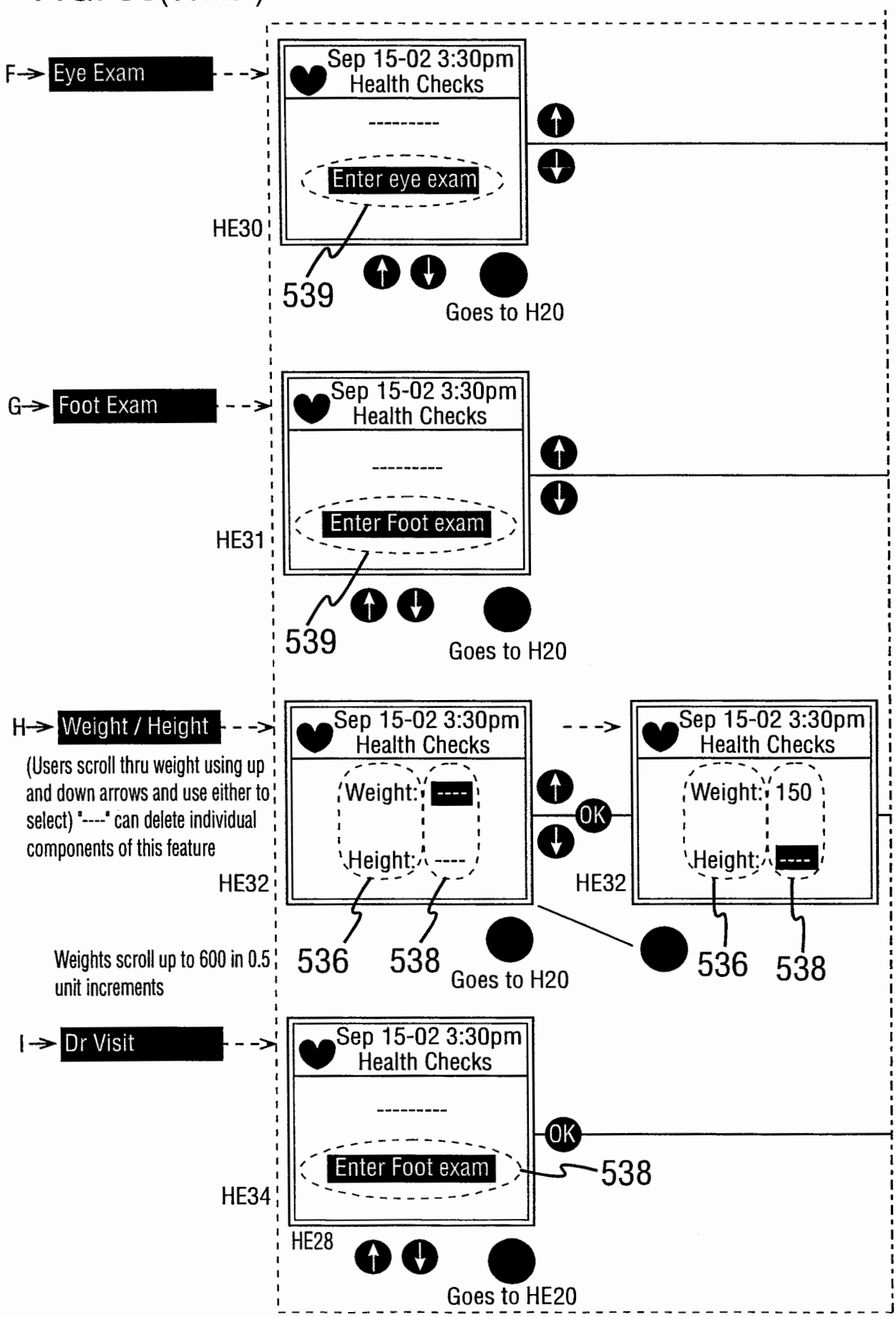

Sep 15-02 3:30pm
Health Checks
Blood Pressure
Eye Exam
Foot Exam
Weight/Height
Dr Visit
Exit Healh Checks
OK
HE23
536
Logbook
Sep 15-02 3:30pm
Microalbumin
OK
FF3
560
Sep 15-02 3:30pm
Health Checks
Blood Pressure
Eye Exam
Foot Exam
Weight/Height
Dr Visit
Exit Healh Checks
OK
HE23
536
!! units should start at the previous entry's level of same day-segment
Logbook
Sep 15-02 3:30pm
Cholesterol
Total 187
OK
FF3
560
Only cholesterol values (Total, LDL, HDL, Trig) will be reported in the logbook
536
Sep 15-02 3:30pm
Health Checks
Blood Pressure
Eye Exam
Foot Exam
Weight/Height
Dr Visit
Exit Healh Checks
OK
HE23
Logbook
Sep 15-02 3:30pm
Blood Pressure
120 / 80
OK
FF3
560

FIG. 5C(contd.)

FIG. 5c(contd.)


F→ Eye Exam
Sep 15-02 3:30pm
Health Checks

Enter eye exam
HE30
539
Goes to H20
G→ Foot Exam
Sep 15-02 3:30pm
Health Checks

Enter Foot exam
HE31
539
Goes to H20
H→ Weight / Height
(Users scroll thru weight using up and down arrows and use either to select) "----" can delete individual components of this feature
Sep 15-02 3:30pm
Health Checks
Weight: ----
Height: ----
HE32
OK
Sep 15-02 3:30pm
Health Checks
Weight: 150
Height: ----
HE32
536
538
Goes to H20
536
538
Weights scroll up to 600 in 0.5 unit increments
I→ Dr Visit
Sep 15-02 3:30pm
Health Checks

Enter Foot exam
HE34
OK
538
HE28
Goes to HE20

FIG. 5C(contd.)

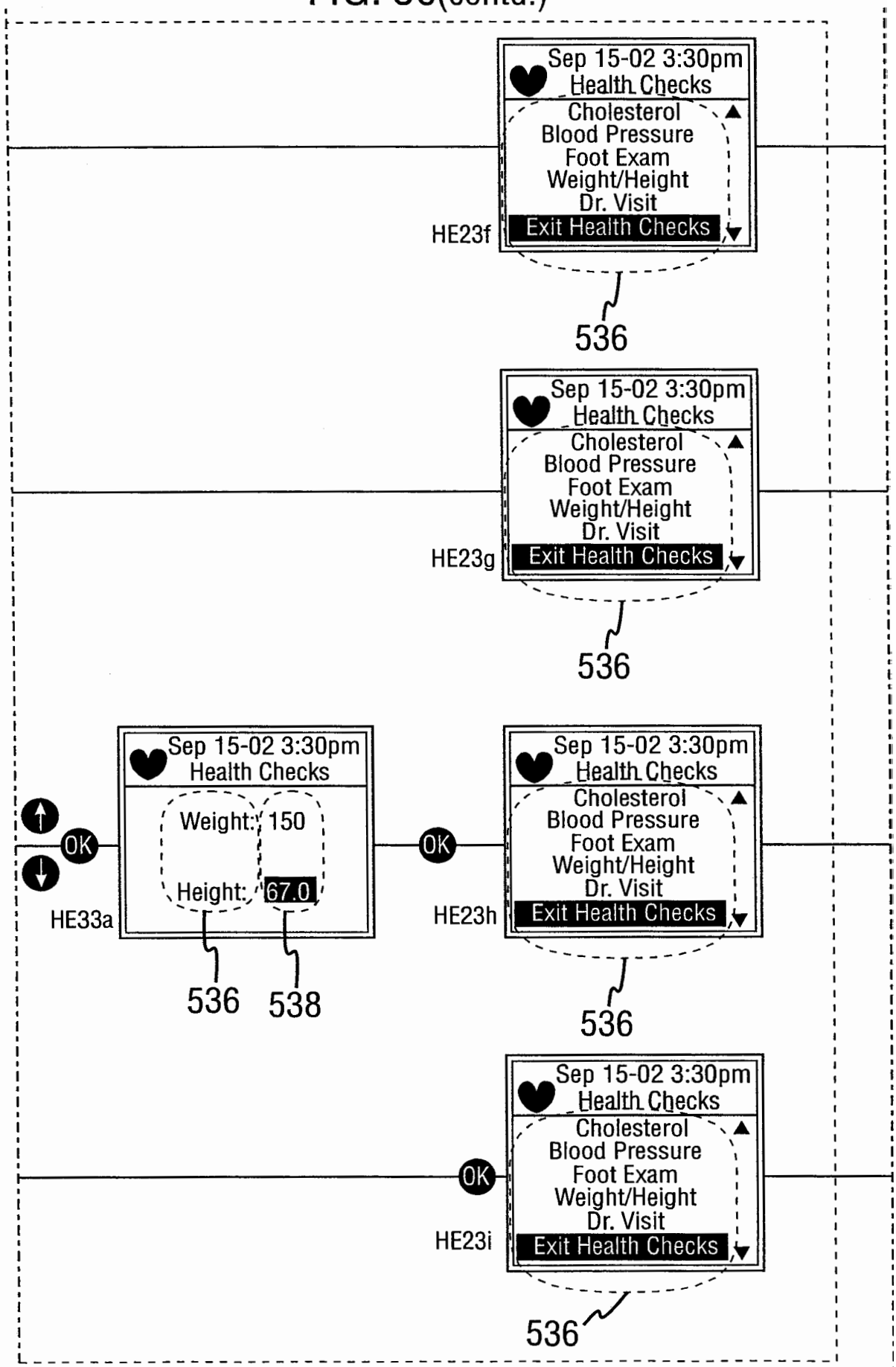

Sep 15-02 3:30pm
Health Checks
Cholesterol
Blood Pressure
Foot Exam
Weight/Height
Dr. Visit
Exit Health Checks
HE23f
536
Sep 15-02 3:30pm
Health Checks
Cholesterol
Blood Pressure
Foot Exam
Weight/Height
Dr. Visit
Exit Health Checks
HE23g
536
OK
Sep 15-02 3:30pm
Health Checks
Weight: 150
Height: 67.0
HE33a
536
538
OK
Sep 15-02 3:30pm
Health Checks
Cholesterol
Blood Pressure
Foot Exam
Weight/Height
Dr. Visit
Exit Health Checks
HE23h
536
OK
Sep 15-02 3:30pm
Health Checks
Cholesterol
Blood Pressure
Foot Exam
Weight/Height
Dr. Visit
Exit Health Checks
HE23i
536

FIG. 5c(contd.)

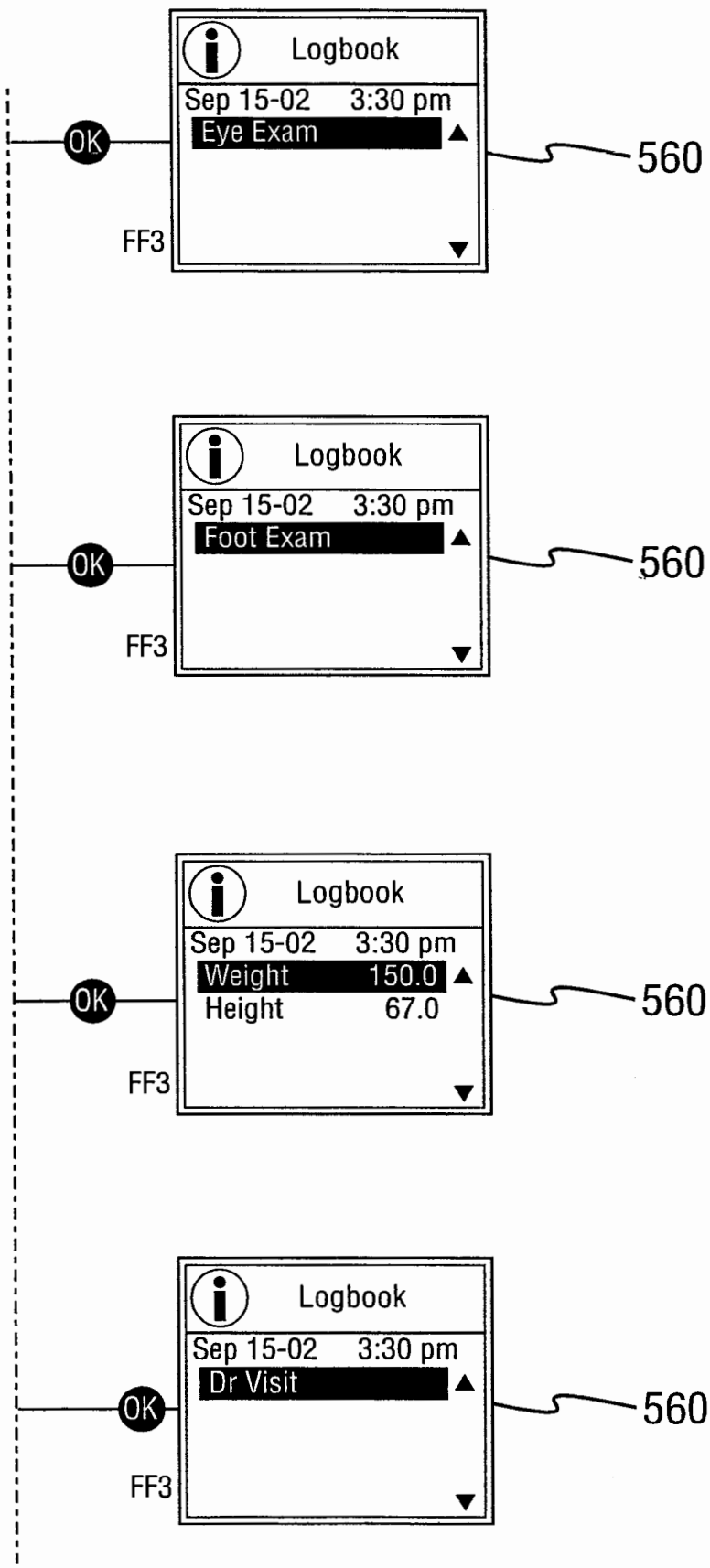

Logbook
Sep 15-02 3:30 pm
Eye Exam
OK
FF3
560
Logbook
Sep 15-02 3:30 pm
Foot Exam
OK
FF3
560
Logbook
Sep 15-02 3:30 pm
Weight 150.0
Height 67.0
OK
FF3
560
Logbook
Sep 15-02 3:30 pm
Dr Visit
OK
FF3
560

FIG. 5d

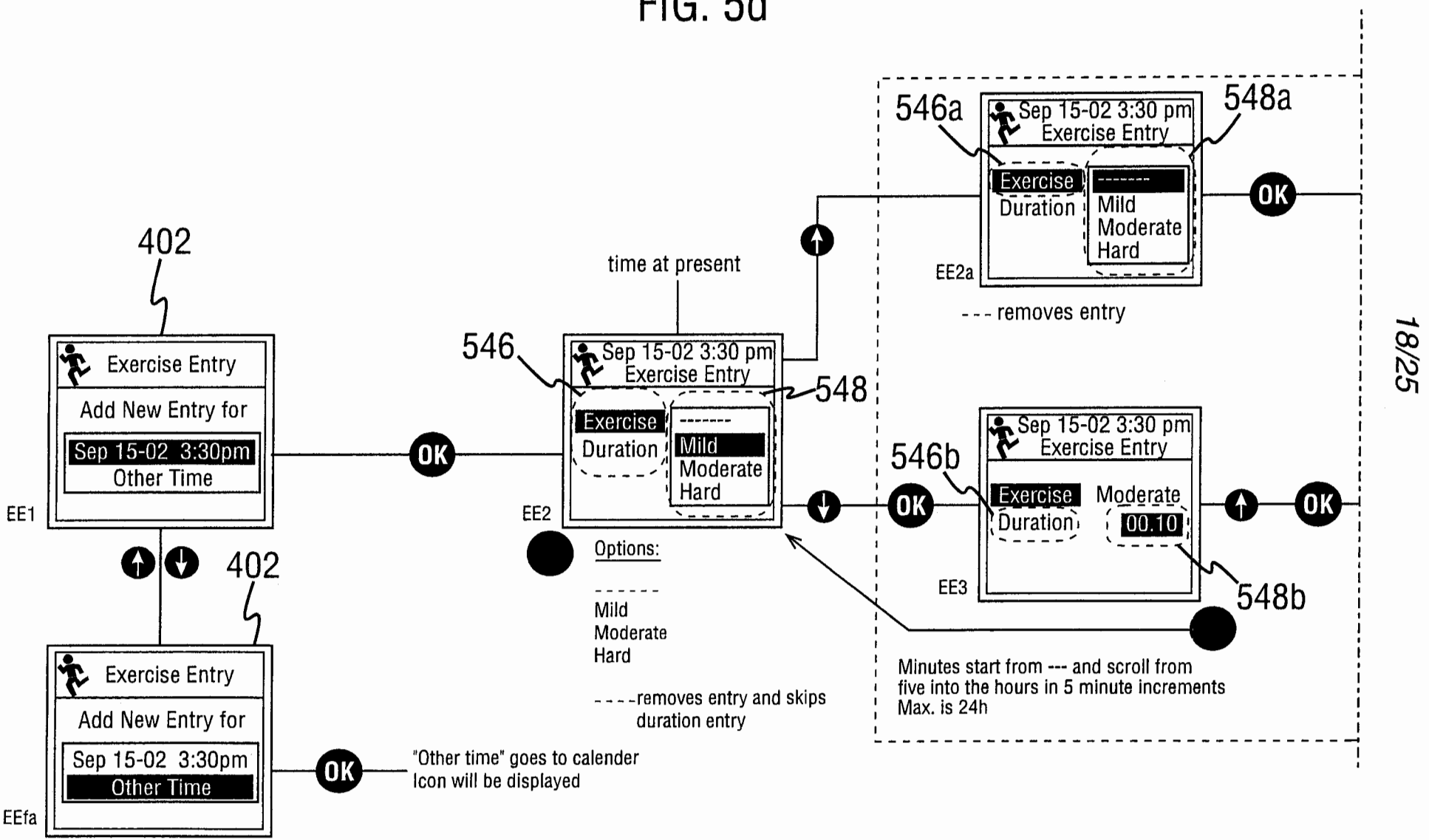

402
Exercise Entry
Add New Entry for
Sep 15-02 3:30pm
Other Time
EE1
OK
time at present
546
Sep 15-02 3:30 pm
Exercise Entry
548
Exercise
Duration
Mild
Moderate
Hard
EE2
546a
Sep 15-02 3:30 pm
Exercise Entry
548a
Exercise
Duration
Mild
Moderate
Hard
EE2a
--- removes entry
546b
Sep 15-02 3:30 pm
Exercise Entry
Exercise
Duration
Moderate
00.10
EE3
548b
Options:
Mild
Moderate
Hard
----removes entry and skips duration entry
Minutes start from --- and scroll from five into the hours in 5 minute increments Max. is 24h
402
Exercise Entry
Add New Entry for
Sep 15-02 3:30pm
Other Time
EEfa
"Other time" goes to calender Icon will be displayed

FIG. 5d(contd.)

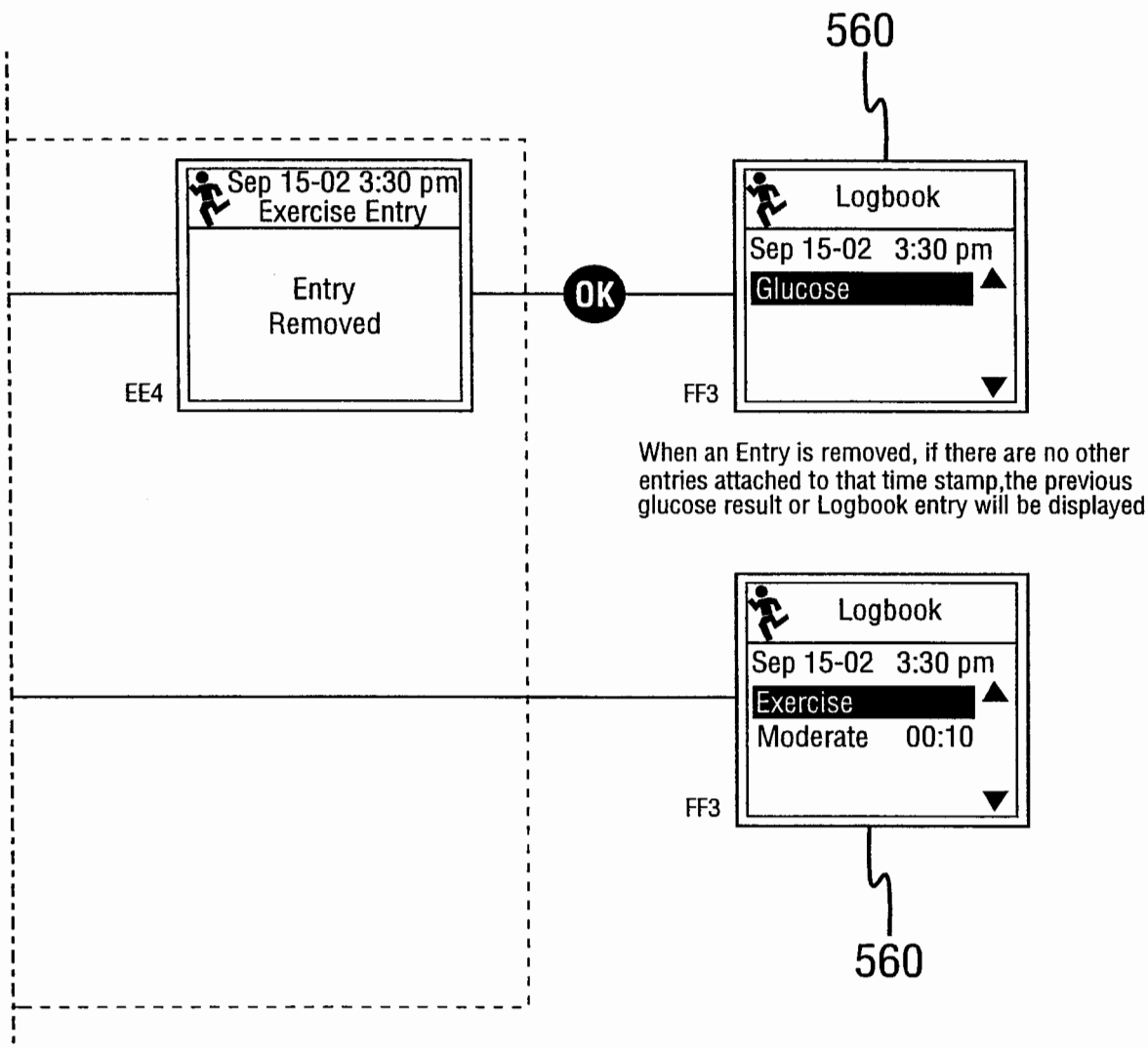
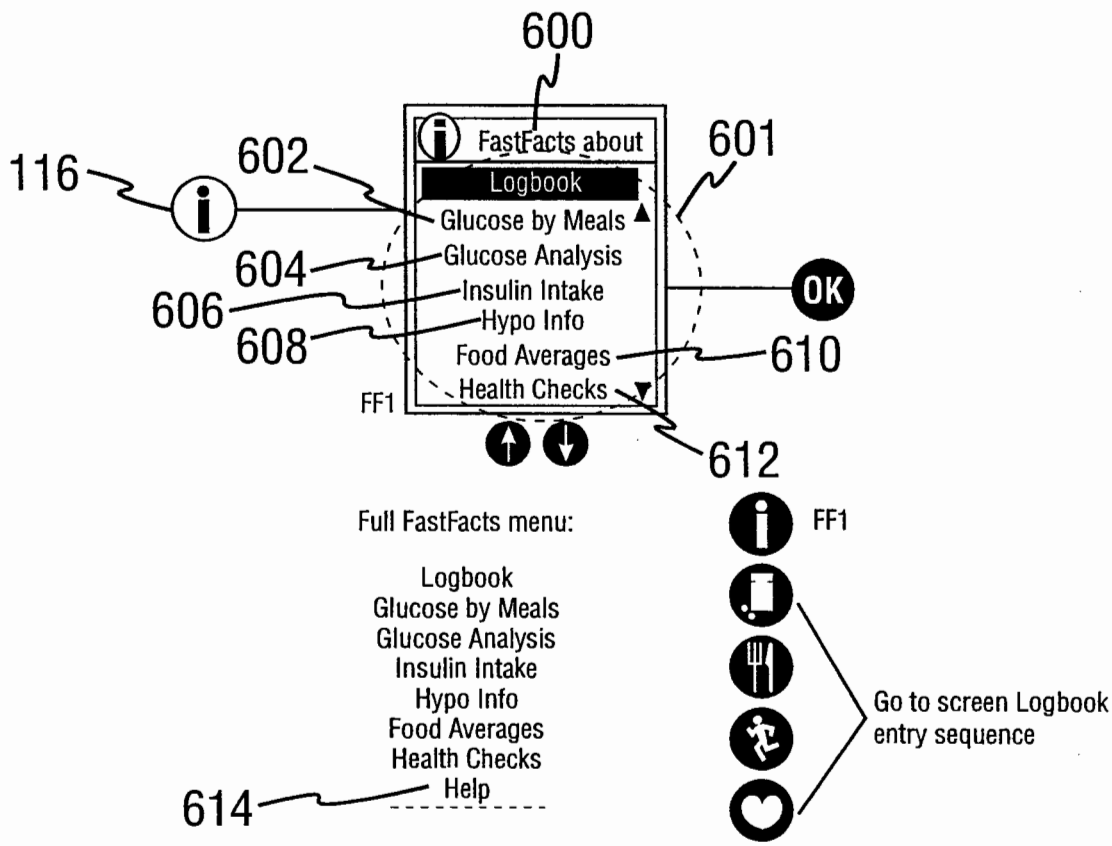

560
Sep 15-02 3:30 pm
Exercise Entry
Entry
Removed
EE4
OK
Logbook
Sep 15-02 3:30 pm
Glucose
FF3
When an Entry is removed, if there are no other entries attached to that time stamp,the previous glucose result or Logbook entry will be displayed
Logbook
Sep 15-02 3:30 pm
Exercise
Moderate 00:10
FF3
560

FIG. 6a


600
116
602
601
FastFacts about
Logbook
Glucose by Meals
Glucose Analysis
Insulin Intake
Hypo Info
Food Averages
Health Checks
604
606
608
610
OK
FF1
612
Full FastFacts menu:
Logbook
Glucose by Meals
Glucose Analysis
Insulin Intake
Hypo Info
Food Averages
Health Checks
Help
614
FF1
Go to screen Logbook entry sequence

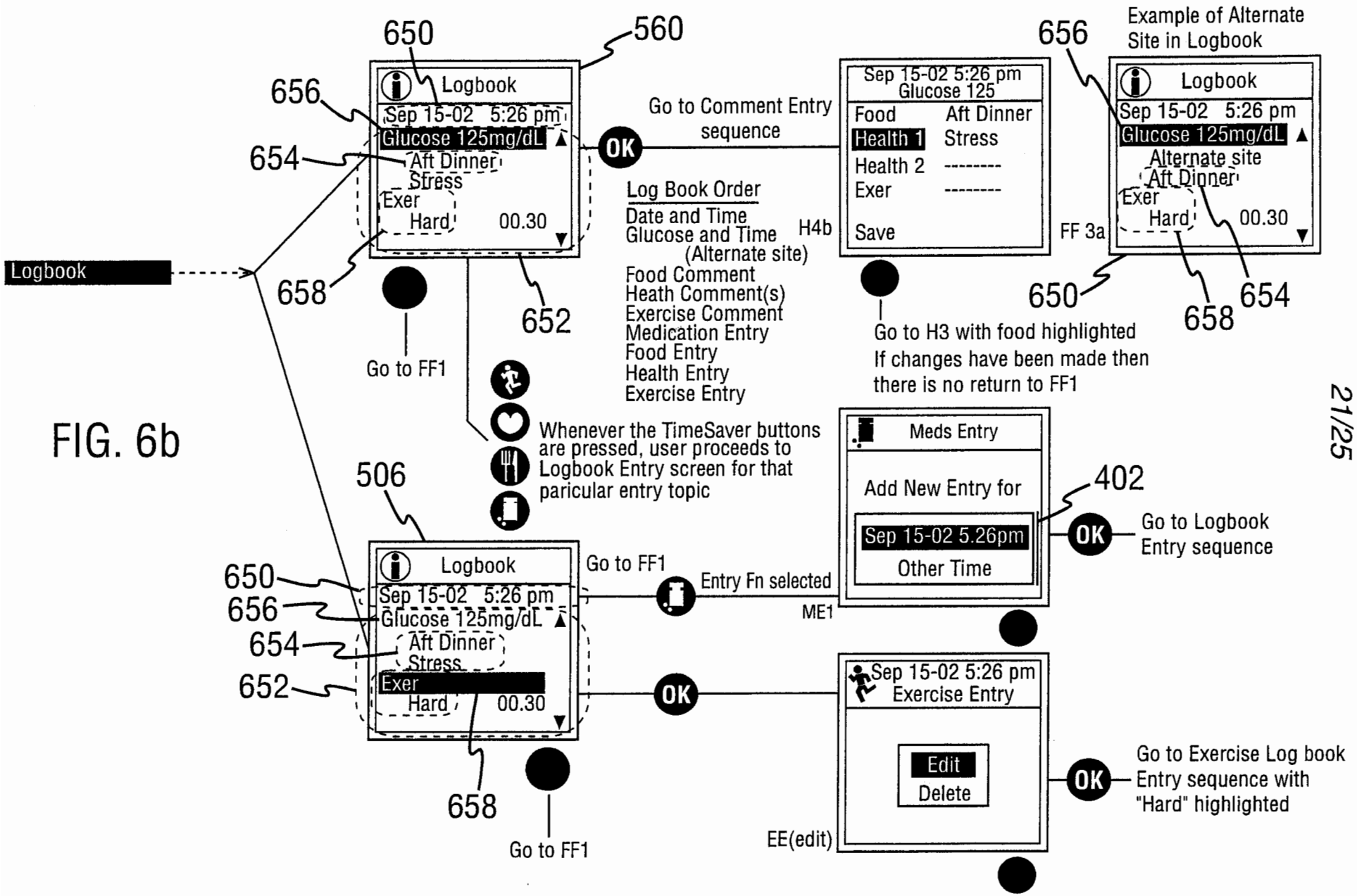

Logbook
650
560
656
654
658
652
Logbook
Sep 15-02 5:26 pm
Glucose 125mg/dL
Aft Dinner
Stress
Exer
Hard 00.30
OK
Go to Comment Entry sequence
Go to FF1
Log Book Order
Date and Time
Glucose and Time (Alternate site)
Food Comment
Heath Comment(s)
Exercise Comment
Medication Entry
Food Entry
Health Entry
Exercise Entry
Sep 15-02 5:26 pm
Glucose 125
Food Aft Dinner
Health 1 Stress
Health 2 --------
Exer --------
Save
H4b
Go to H3 with food highlighted
If changes have been made then there is no return to FF1
Example of Alternate Site in Logbook
656
Logbook
Sep 15-02 5:26 pm
Glucose 125mg/dL
Alternate site
Aft Dinner
Exer
Hard 00.30
FF 3a
650
658
654
Whenever the TimeSaver buttons are pressed, user proceeds to Logbook Entry screen for that paricular entry topic
506
Logbook
Go to FF1
650
656
654
652
Sep 15-02 5:26 pm
Glucose 125mg/dL
Aft Dinner
Stress
Exer
Hard 00.30
658
Go to FF1
Entry Fn selected
ME1
Meds Entry
Add New Entry for
Sep 15-02 5.26pm
Other Time
402
OK
Go to Logbook Entry sequence
OK
Sep 15-02 5:26 pm
Exercise Entry
Edit
Delete
EE(edit)
OK
Go to Exercise Log book Entry sequence with "Hard" highlighted

FIG. 6b

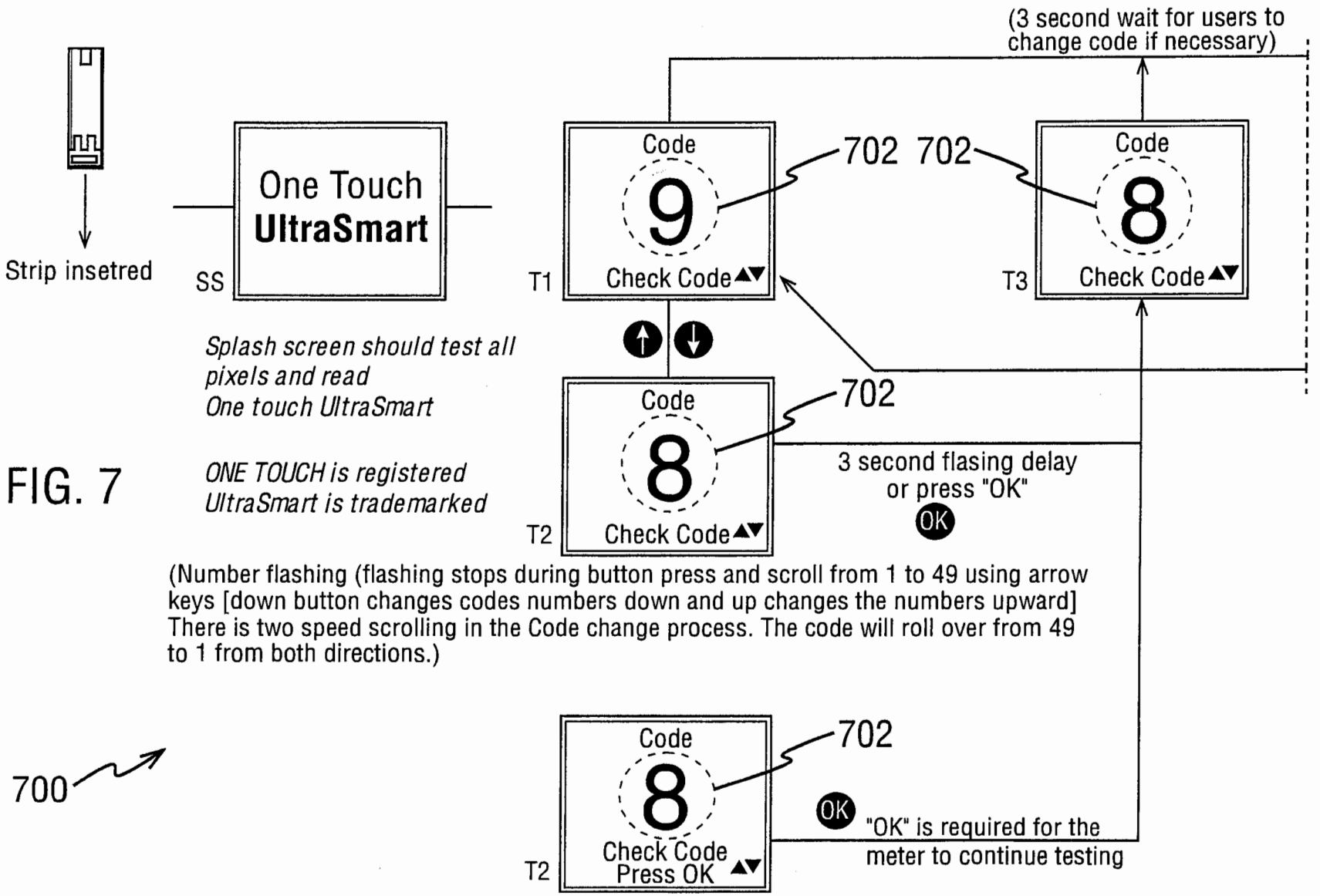

(3 second wait for users to change code if necessary)
Strip insetred
One Touch
UltraSmart
SS
Code
9
Check Code
T1
702
702
Code
8
Check Code
T3
Splash screen should test all pixels and read
One touch UltraSmart
ONE TOUCH is registered
UltraSmart is trademarked
Code
8
Check Code
T2
702
3 second flasing delay
or press "OK"
OK
(Number flashing (flashing stops during button press and scroll from 1 to 49 using arrow keys [down button changes codes numbers down and up changes the numbers upward] There is two speed scrolling in the Code change process. The code will roll over from 49 to 1 from both directions.)
700
Code
8
Check Code
Press OK
T2
702
OK
"OK" is required for the meter to continue testing
This screen will appear after XX (e.g. 25) successive glucose tests without the code being changed
The number will be a manufacturing parameter (OP code) and the option will include 0 to 50 tests
0 will deactivate the option

FIG. 7

FIG. 7(contd.)

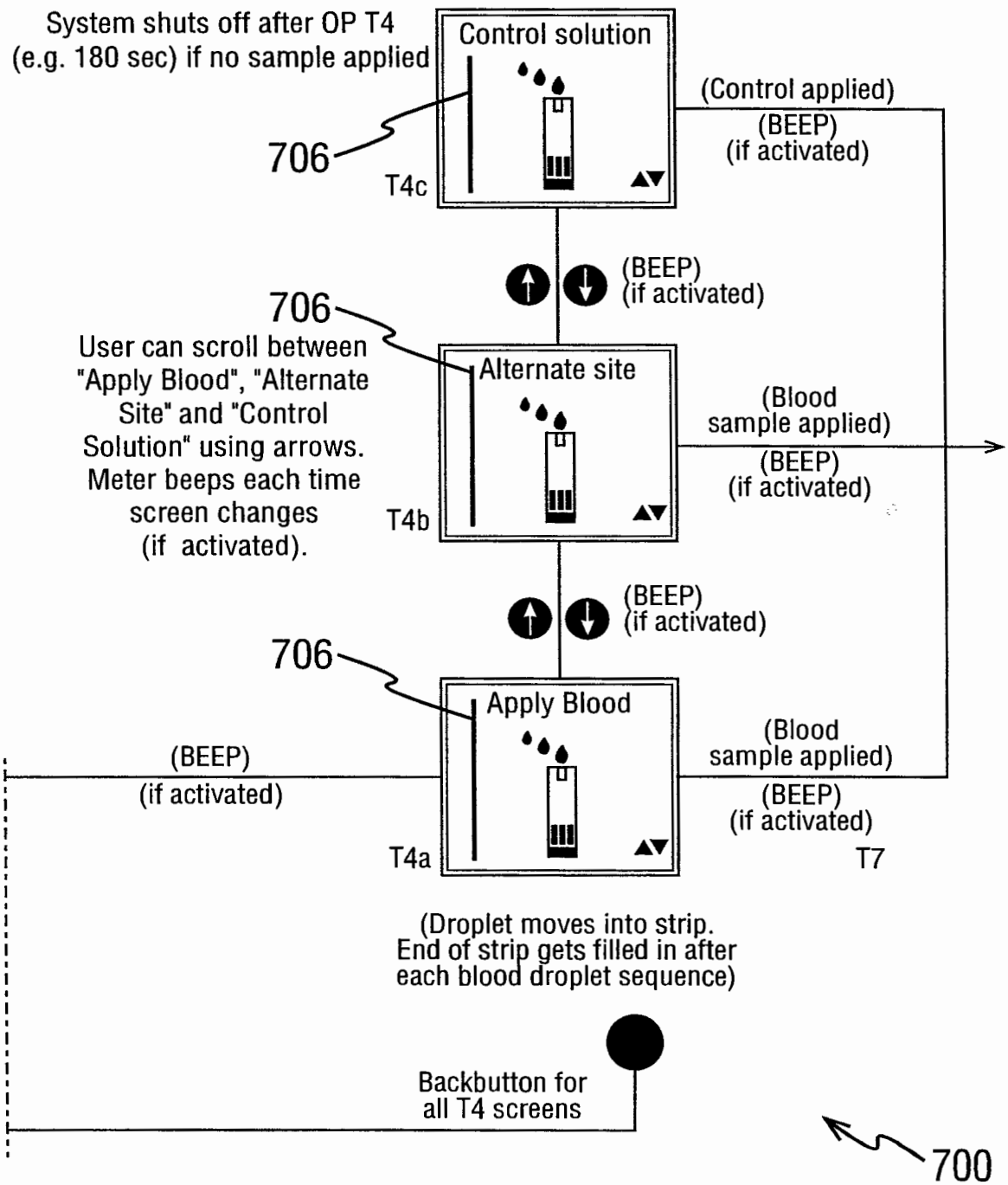

System shuts off after OP T4
(e.g. 180 sec) if no sample applied
Control solution
706
T4c
(Control applied)
(BEEP)
(if activated)
(BEEP)
(if activated)
706
User can scroll between "Apply Blood", "Alternate Site" and "Control Solution" using arrows. Meter beeps each time screen changes (if activated).
Alternate site
T4b
(Blood sample applied)
(BEEP)
(if activated)
(BEEP)
(if activated)
706
Apply Blood
(BEEP)
(if activated)
(Blood sample applied)
(BEEP)
(if activated)
T4a
T7
(Droplet moves into strip. End of strip gets filled in after each blood droplet sequence)
Backbutton for all T4 screens
700

FIG. 7(contd.)

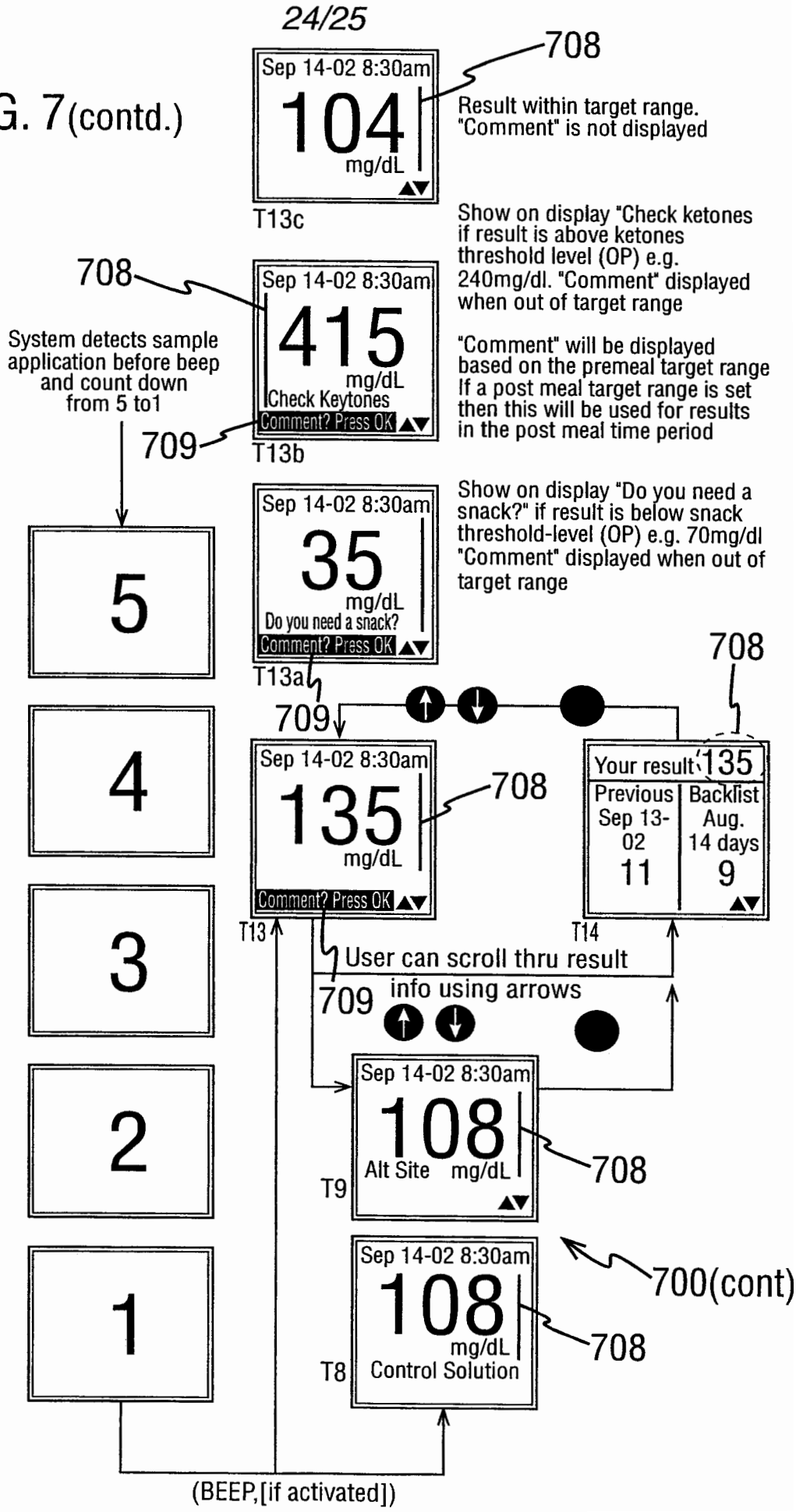
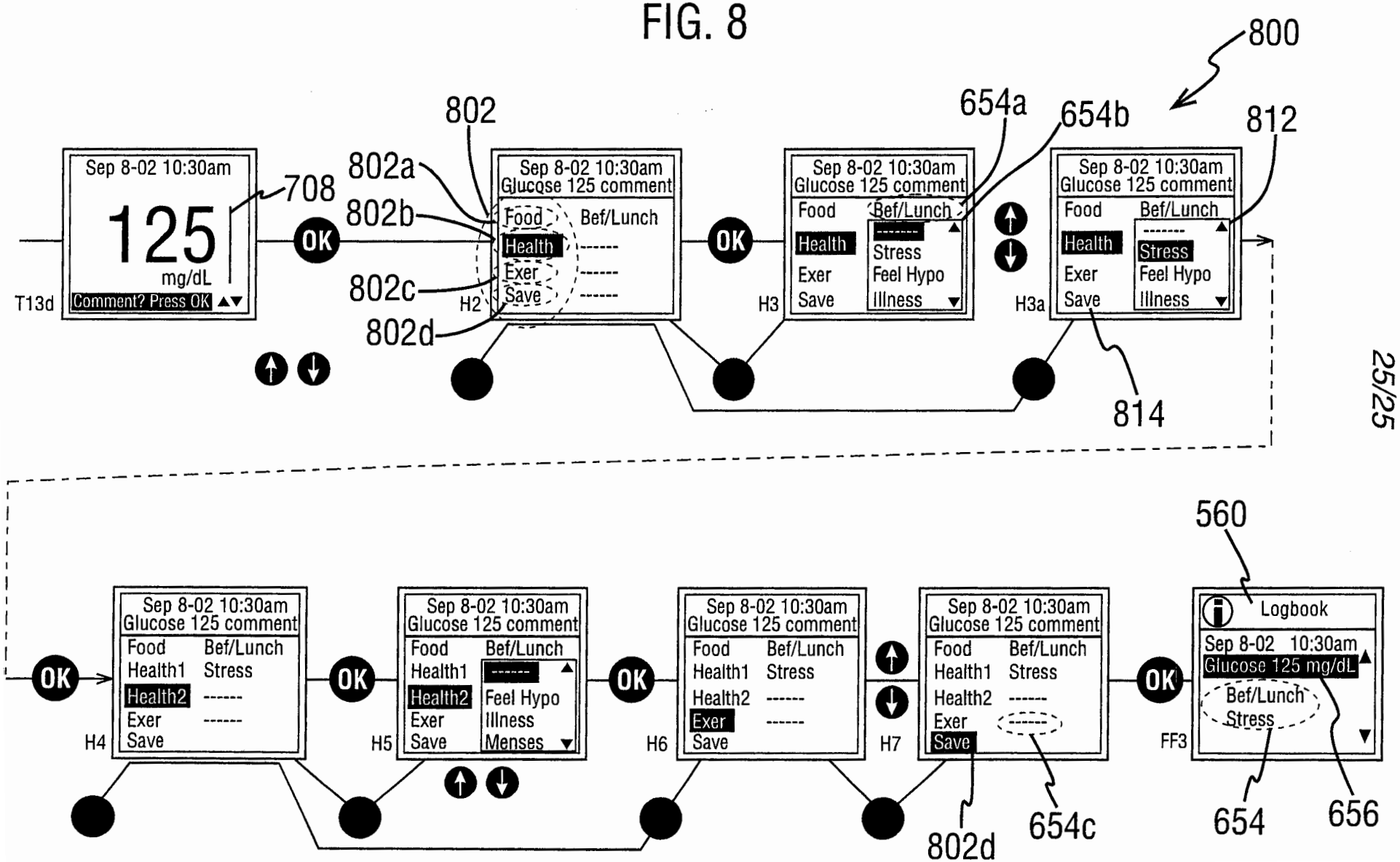

Sep 14-02 8:30am
104
mg/dL
708
Result within target range.
"Comment" is not displayed
T13c
Show on display "Check ketones if result is above ketones threshold level (OP) e.g. 240mg/dl. "Comment" displayed when out of target range
708
Sep 14-02 8:30am
415
mg/dL
Check Keytones
Comment? Press OK
System detects sample application before beep and count down from 5 to1
709
T13b
"Comment" will be displayed based on the premeal target range If a post meal target range is set then this will be used for results in the post meal time period
Sep 14-02 8:30am
35
mg/dL
Do you need a snack?
Comment? Press OK
T13a
Show on display "Do you need a snack?" if result is below snack threshold-level (OP) e.g. 70mg/dl "Comment" displayed when out of target range
5
4
3
2
1
709
708
Sep 14-02 8:30am
135
mg/dL
Comment? Press OK
T13
Your result 135
Previous Sep 13-02 11
Backlist Aug. 14 days 9
T14
User can scroll thru result info using arrows
709
Sep 14-02 8:30am
108
Alt Site mg/dL
T9
708
Sep 14-02 8:30am
108
mg/dL
Control Solution
T8
700(cont)
(BEEP,[if activated])

FIG. 8


800
802
654a
654b
812
802a
802b
802c
802d
708
Sep 8-02 10:30am
125
mg/dL
Comment? Press OK
T13d
OK
Glucose 125 comment
Food
Health
Exer
Save
Bef/Lunch
Stress
Feel Hypo
Illness
Menses
H2
H3
H3a
814
Health1
Health2
H4
H5
H6
H7
560
Logbook
Glucose 125 mg/dL
FF3
654
656
654c