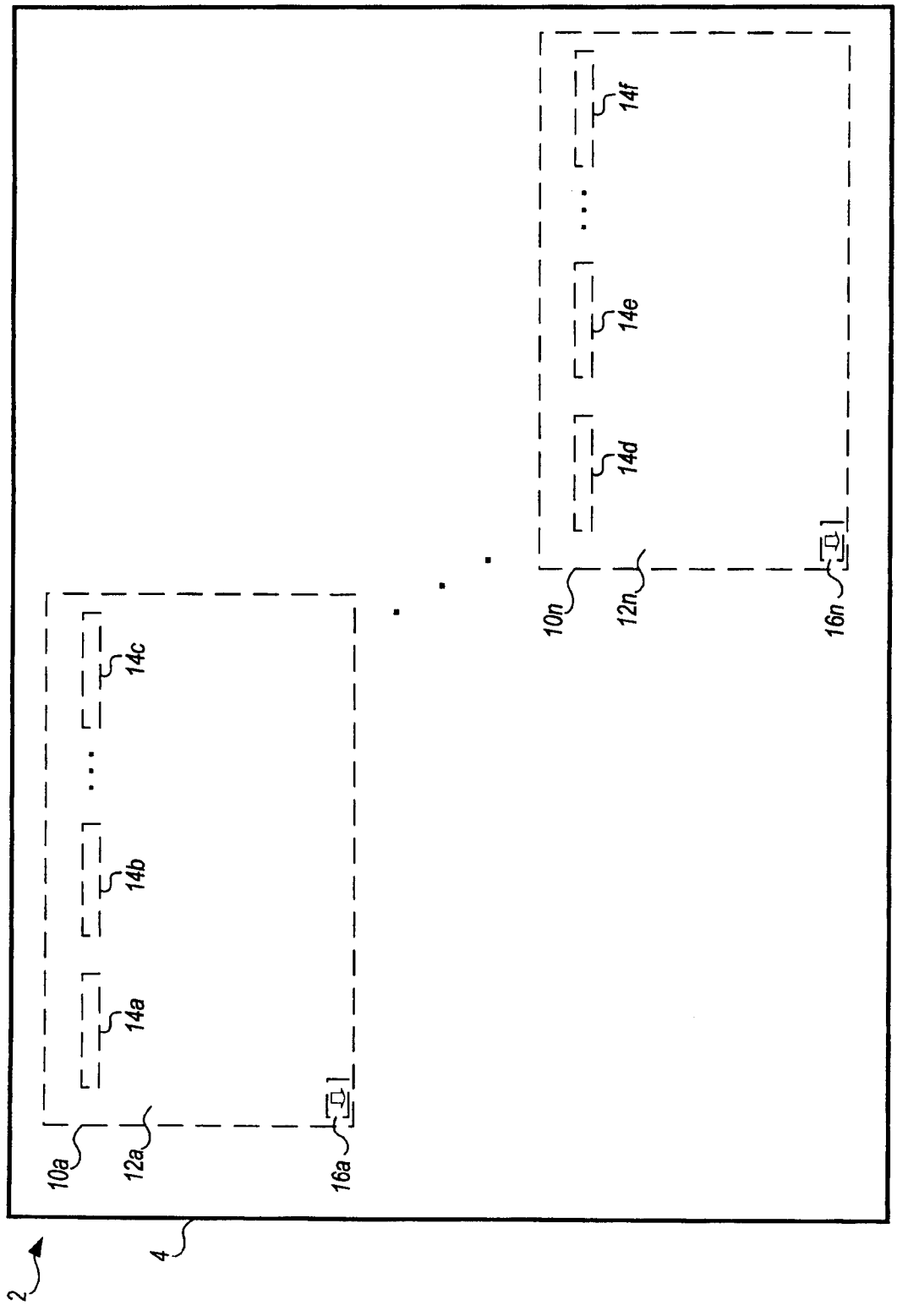


FIG. 1A

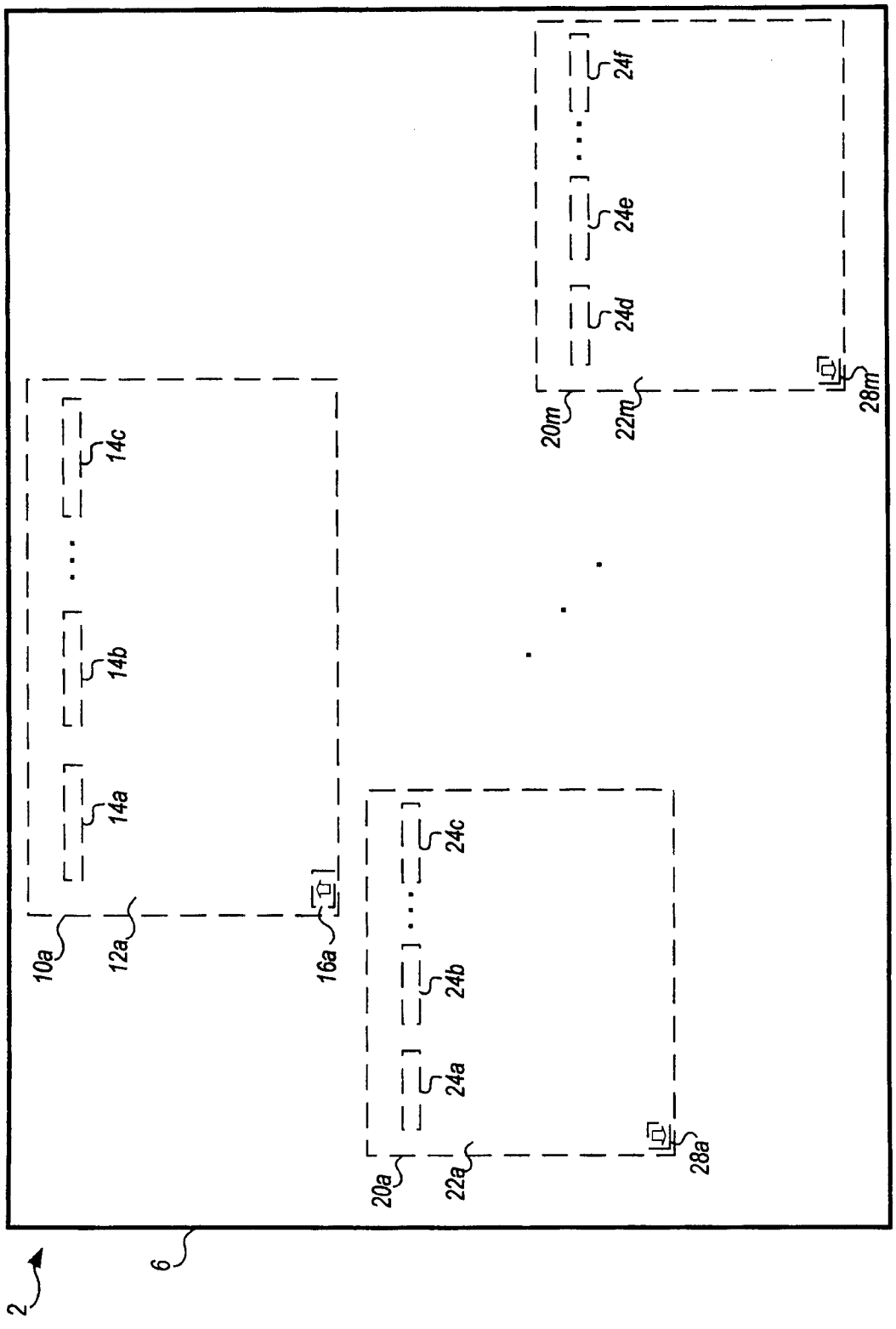

2
6
10a
12a
14a
14b
14c
16a
20a
22a
24a
24b
24c
28a
20m
22m
24d
24e
24f
28m

FIG. 1B

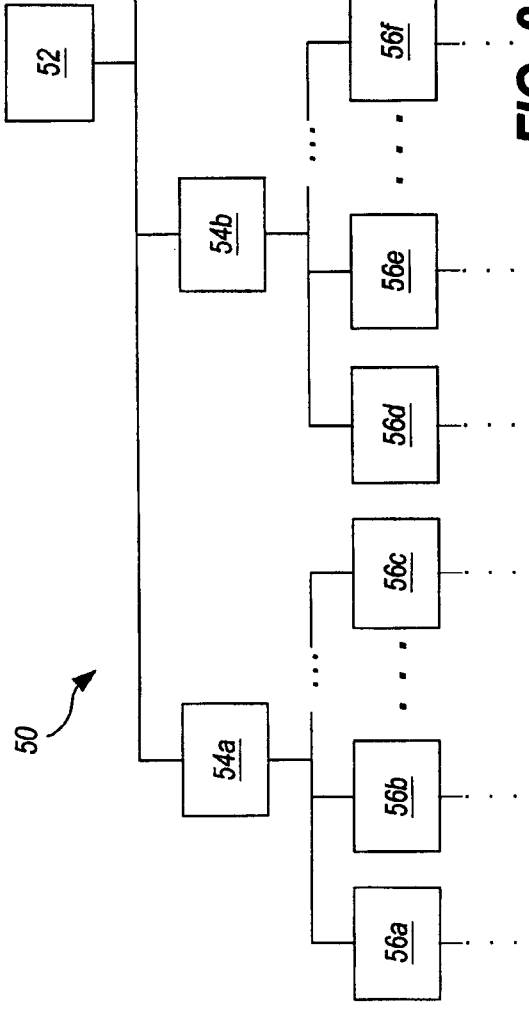


FIG. 2A

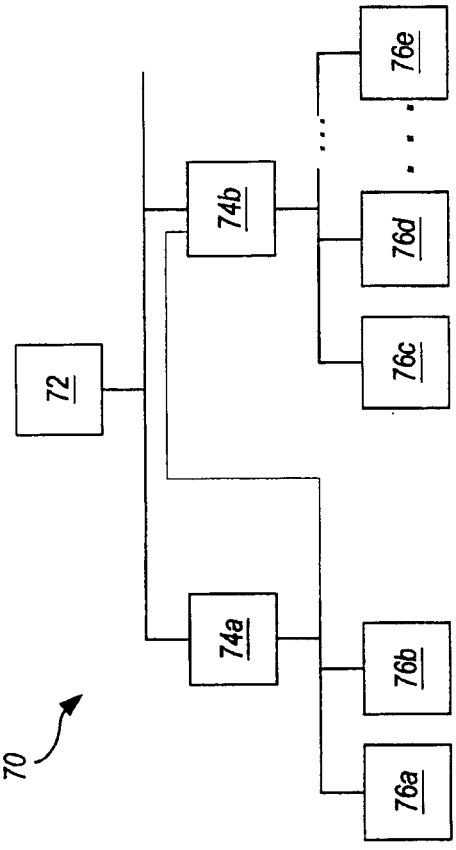


FIG. 2C

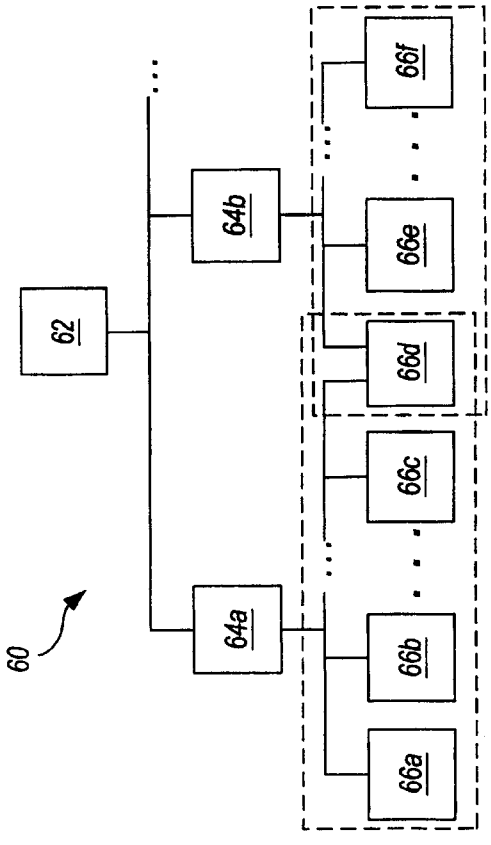


FIG. 2B

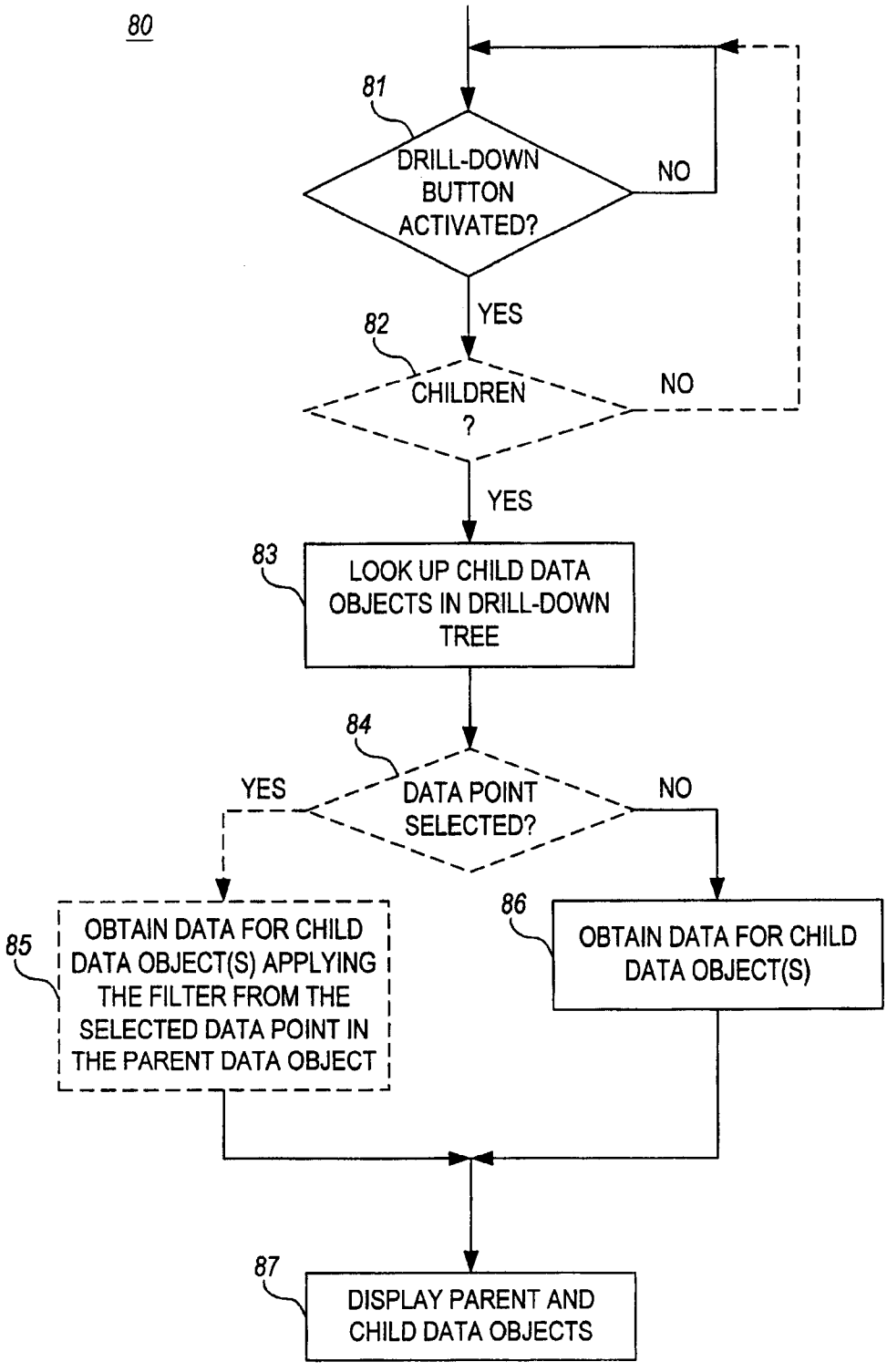

80
81
DRILL-DOWN BUTTON ACTIVATED?
NO
YES
82
CHILDREN ?
NO
YES
83
LOOK UP CHILD DATA OBJECTS IN DRILL-DOWN TREE
84
DATA POINT SELECTED?
YES
NO
85
OBTAIN DATA FOR CHILD DATA OBJECT(S) APPLYING THE FILTER FROM THE SELECTED DATA POINT IN THE PARENT DATA OBJECT
86
OBTAIN DATA FOR CHILD DATA OBJECT(S)
87
DISPLAY PARENT AND CHILD DATA OBJECTS

FIG. 3A

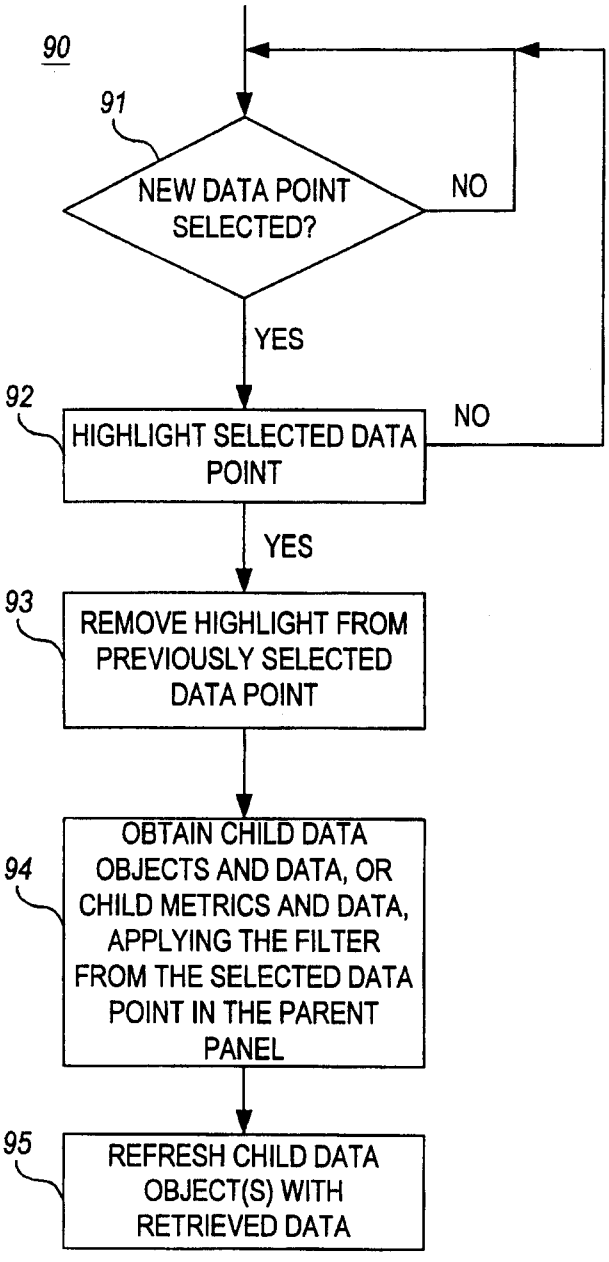

90
91
NEW DATA POINT SELECTED?
NO
YES
92
HIGHLIGHT SELECTED DATA POINT
NO
YES
93
REMOVE HIGHLIGHT FROM PREVIOUSLY SELECTED DATA POINT
94
OBTAIN CHILD DATA OBJECTS AND DATA, OR CHILD METRICS AND DATA, APPLYING THE FILTER FROM THE SELECTED DATA POINT IN THE PARENT PANEL
95
REFRESH CHILD DATA OBJECT(S) WITH RETRIEVED DATA

FIG. 3B

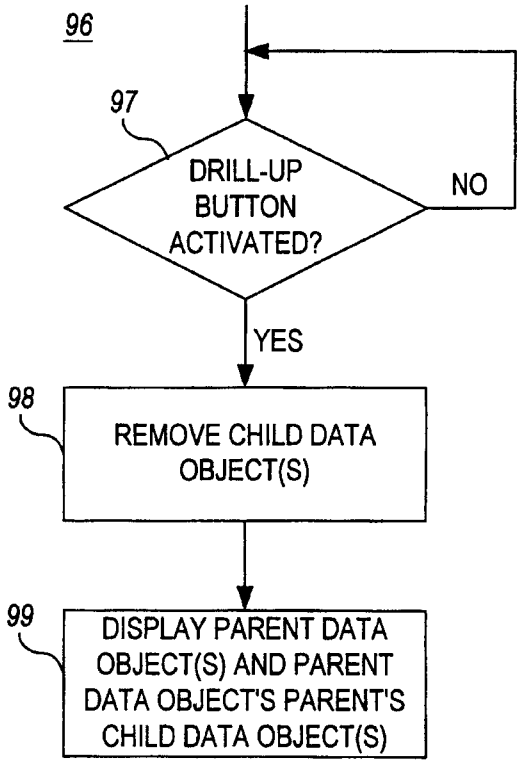

96
97
DRILL-UP BUTTON ACTIVATED?
NO
YES
98
REMOVE CHILD DATA OBJECT(S)
99
DISPLAY PARENT DATA OBJECT(S) AND PARENT DATA OBJECT'S PARENT'S CHILD DATA OBJECT(S)

FIG. 3C

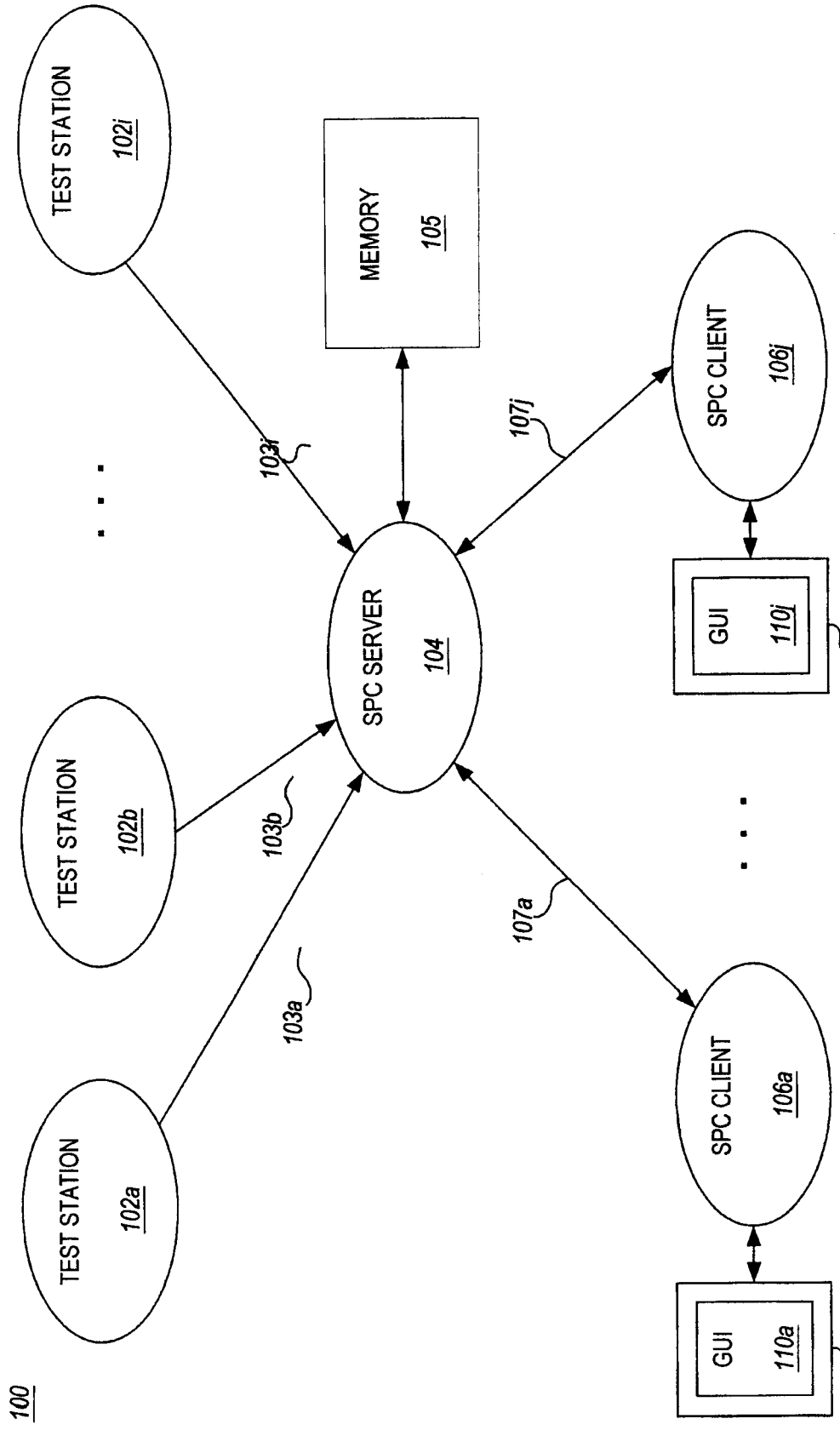

100
TEST STATION 102a
TEST STATION 102b
TEST STATION 102i
103a
103b
103i
SPC SERVER 104
MEMORY 105
107a
107j
SPC CLIENT 106a
SPC CLIENT 106j
GUI 110a
GUI 110j
108a
108j

FIG. 4

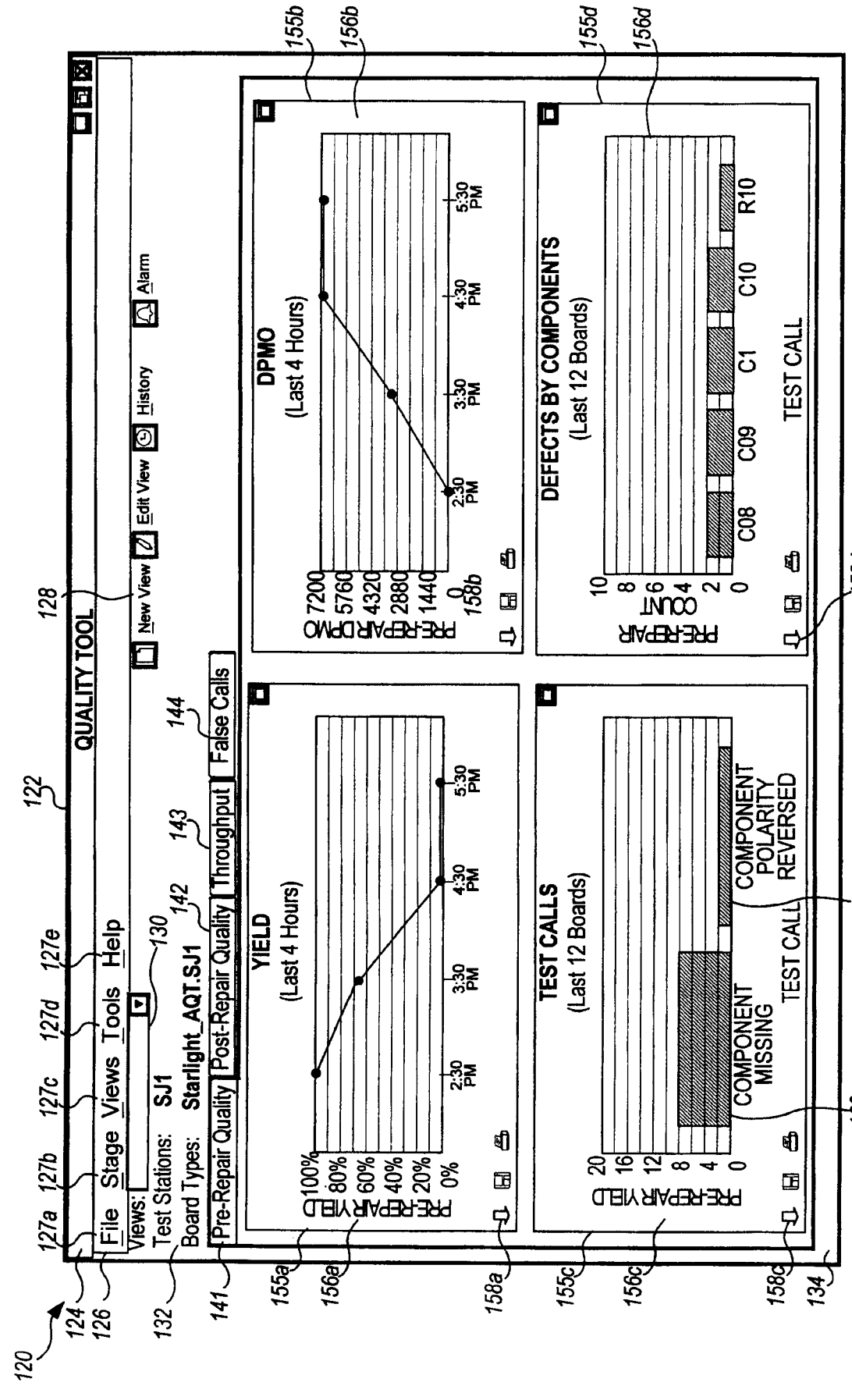

120
124
126
132
141
155a
156a
158a
155c
156c
158c
134
122
128
127a
127b
127c
127d
127e
130
142
143
144
QUALITY TOOL
File Stage Views Tools Help
Views:
Test Stations: SJ1
Board Types: Starlight_AQT.SJ1
New View
Edit View
History
Alarm
Pre-Repair Quality
Post-Repair Quality
Throughput
False Calls
YIELD
(Last 4 Hours)
PRE-REPAIR YIELD
100%
80%
60%
40%
20%
0%
2:30 PM
3:30 PM
4:30 PM
5:30 PM
TEST CALLS
(Last 12 Boards)
PRE-REPAIR
20
16
12
8
4
0
COMPONENT MISSING
TEST CALL
COMPONENT POLARITY REVERSED
160a
160b
155b
156b
158b
DPMO
(Last 4 Hours)
PRE-REPAIR DPMO
7200
5760
4320
2880
1440
0
155d
156d
158d
DEFECTS BY COMPONENTS
(Last 12 Boards)
PRE-REPAIR COUNT
10
8
6
4
2
0
C08
C09
C1
C10
R10
TEST CALL

FIG. 5A

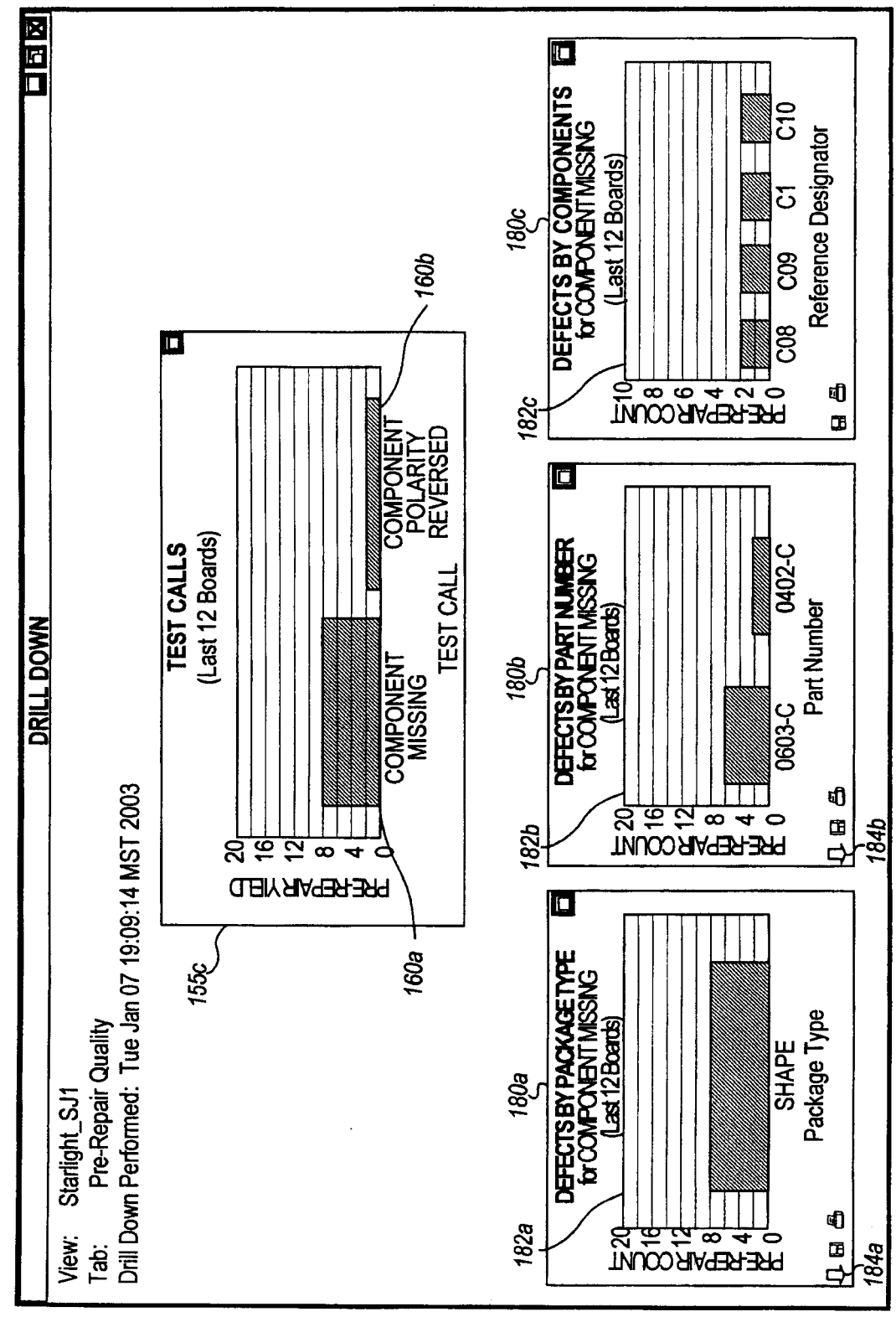

170
DRILL DOWN
View: Starlight_SJ1
Tab: Pre-Repair Quality
Drill Down Performed: Tue Jan 07 19:09:14 MST 2003
TEST CALLS
(Last 12 Boards)
PRE-REPAIR VIELD
20
16
12
8
4
0
COMPONENT MISSING
COMPONENT POLARITY REVERSED
TEST CALL
155c
160a
160b
DEFECTS BY PACKAGE TYPE
for COMPONENT MISSING
(Last 12 Boards)
PRE-REPAIR COUNT
SHAPE
Package Type
180a
182a
184a
DEFECTS BY PART NUMBER
for COMPONENT MISSING
(Last 12 Boards)
0603-C
0402-C
Part Number
180b
182b
184b
DEFECTS BY COMPONENTS
for COMPONENT MISSING
(Last 12 Boards)
C08
C09
C1
C10
Reference Designator
180c
182c

FIG. 5B

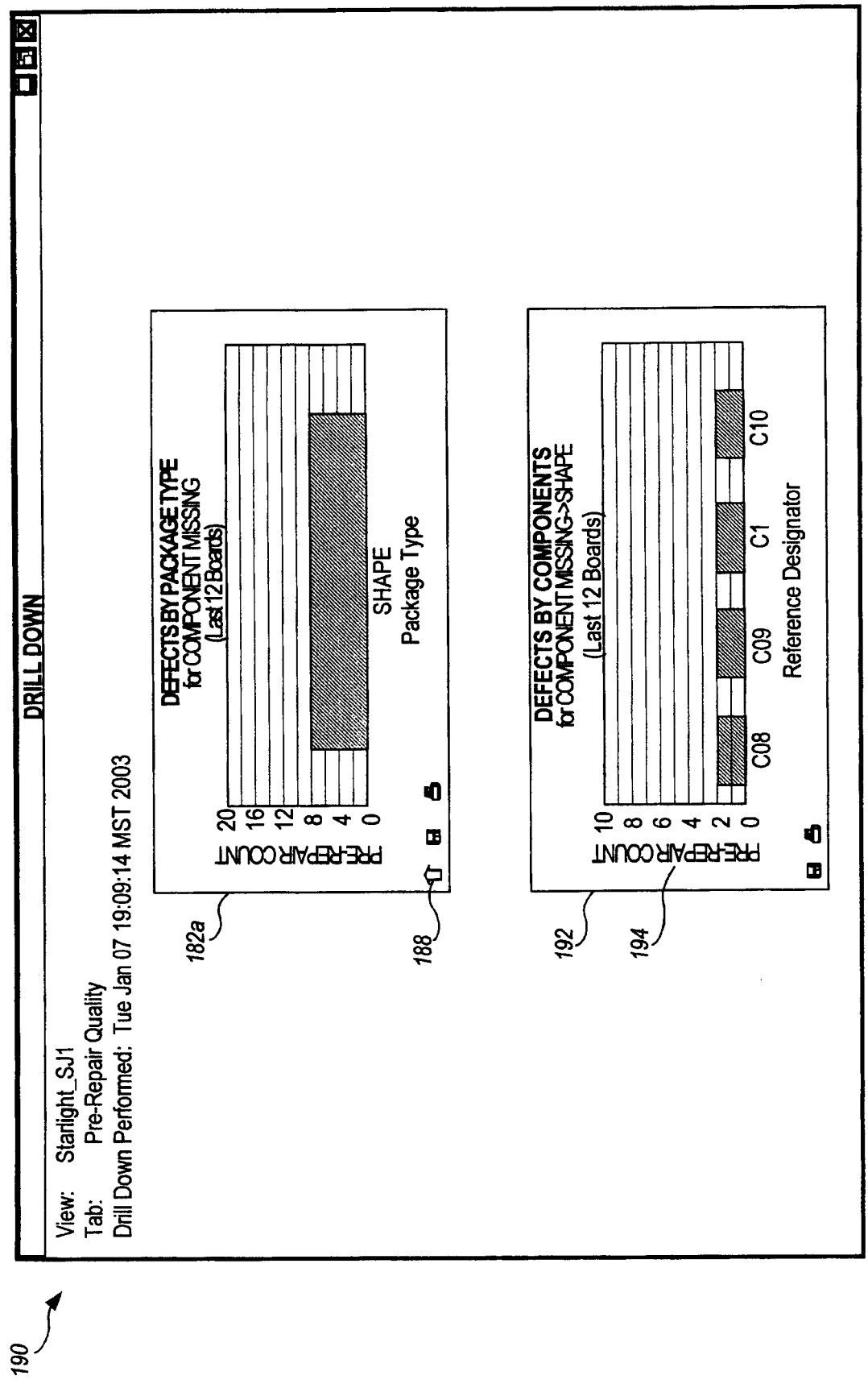

190
DRILL DOWN
View: Starlight_SJ1
Tab: Pre-Repair Quality
Drill Down Performed: Tue Jan 07 19:09:14 MST 2003
DEFECTS BY PACKAGE TYPE
for COMPONENT MISSING
(Last 12 Boards)
PRE-REPAIR COUNT
20
16
12
8
4
0
SHAPE
Package Type
182a
188
DEFECTS BY COMPONENTS
for COMPONENT MISSING->SHAPE
(Last 12 Boards)
PRE-REPAIR COUNT
10
8
6
4
2
0
C08
C09
C1
C10
Reference Designator
192
194

FIG. 5C

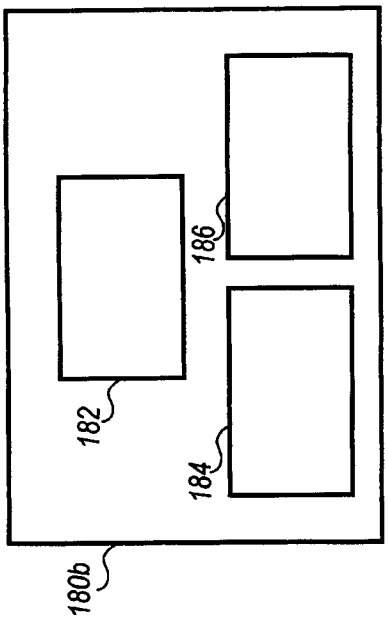


FIG. 6B

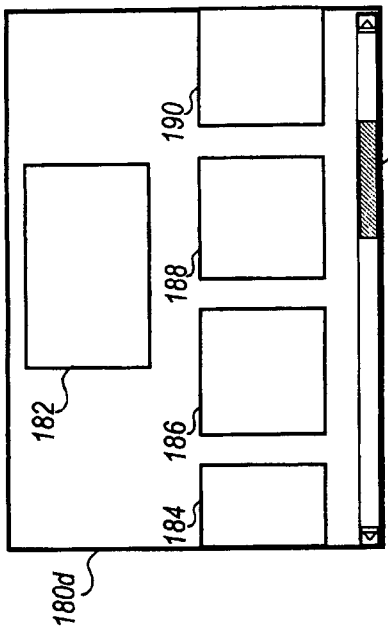


FIG. 6D

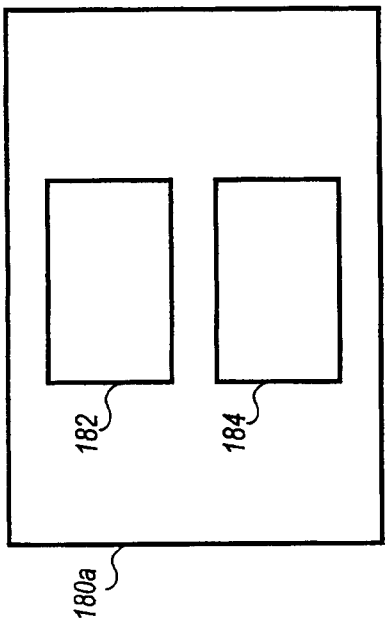


FIG. 6A

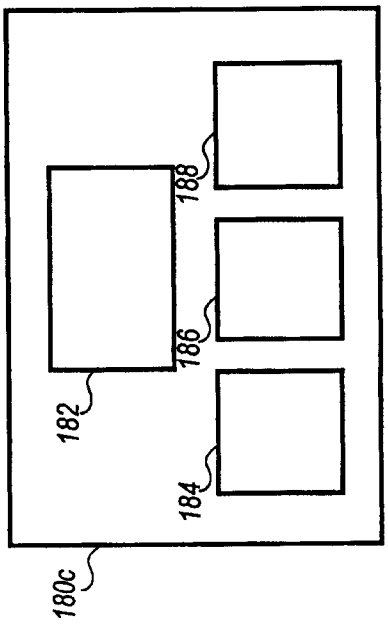


FIG. 6C

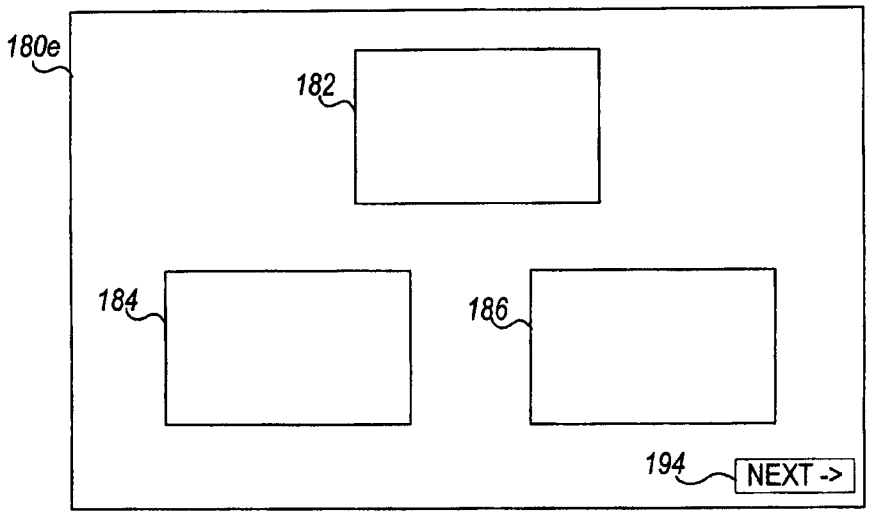


FIG. 6E

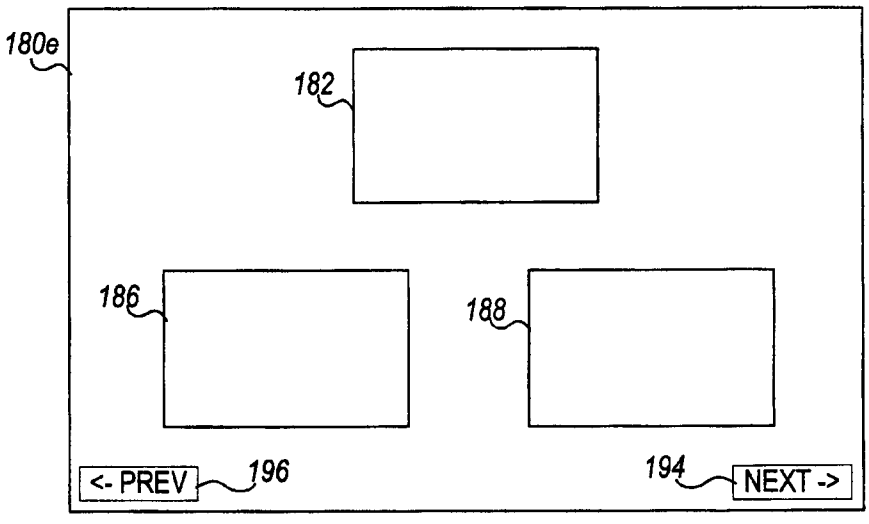


FIG. 6F

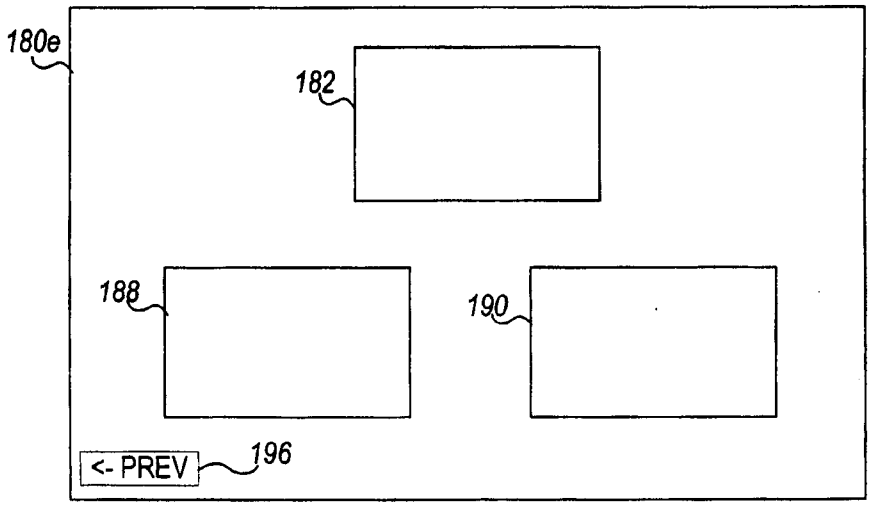


FIG. 6G

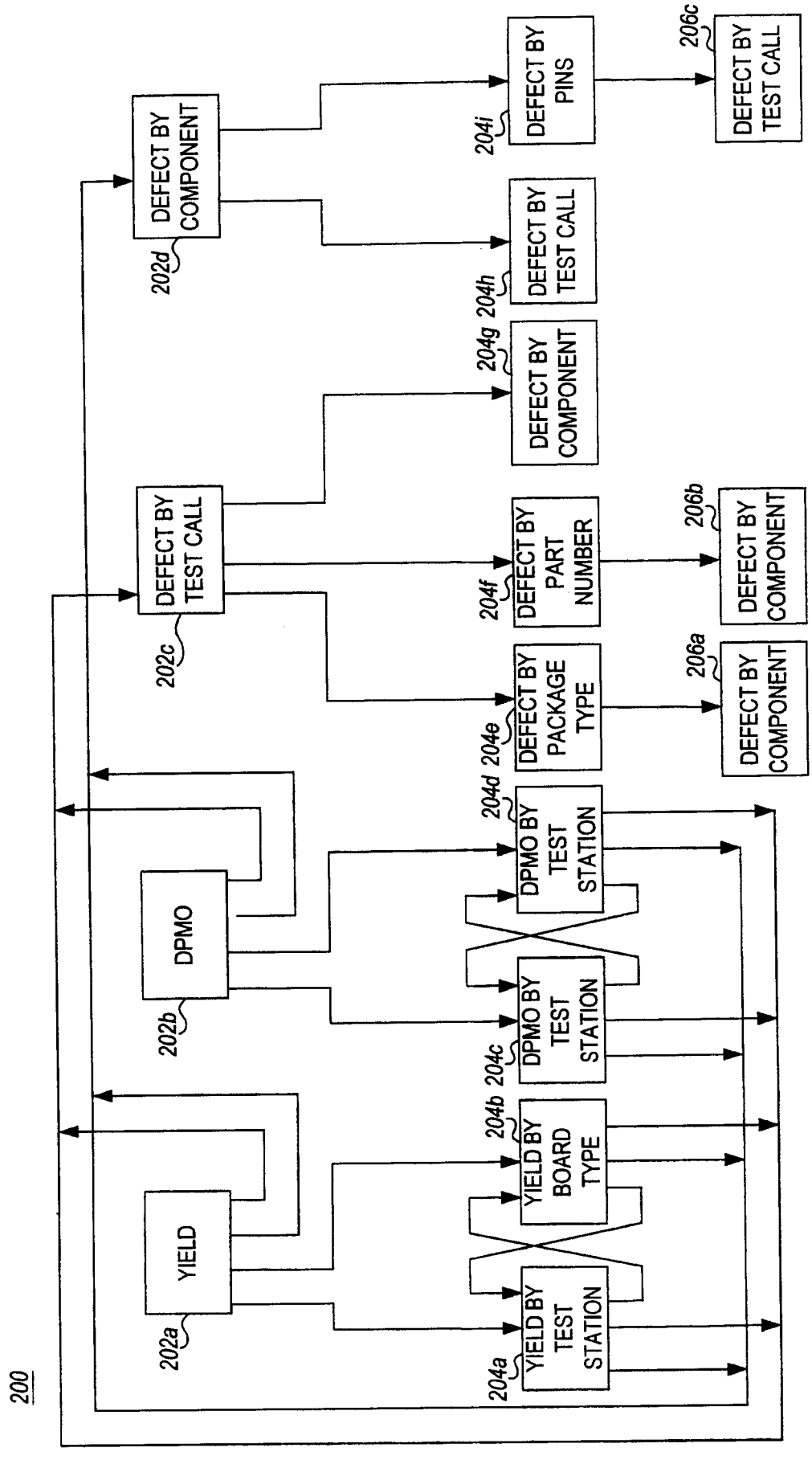

200
YIELD
202a
YIELD BY TEST STATION
204a
YIELD BY BOARD TYPE
204b
DPMO
202b
DPMO BY TEST STATION
204c
DPMO BY TEST STATION
204d
DEFECT BY TEST CALL
202c
DEFECT BY PACKAGE TYPE
204e
DEFECT BY PART NUMBER
204f
DEFECT BY COMPONENT
204g
DEFECT BY COMPONENT
206a
DEFECT BY TEST CALL
204h
DEFECT BY COMPONENT
202d
DEFECT BY PINS
204i
DEFECT BY COMPONENT
206b
DEFECT BY TEST CALL
206c

FIG. 7