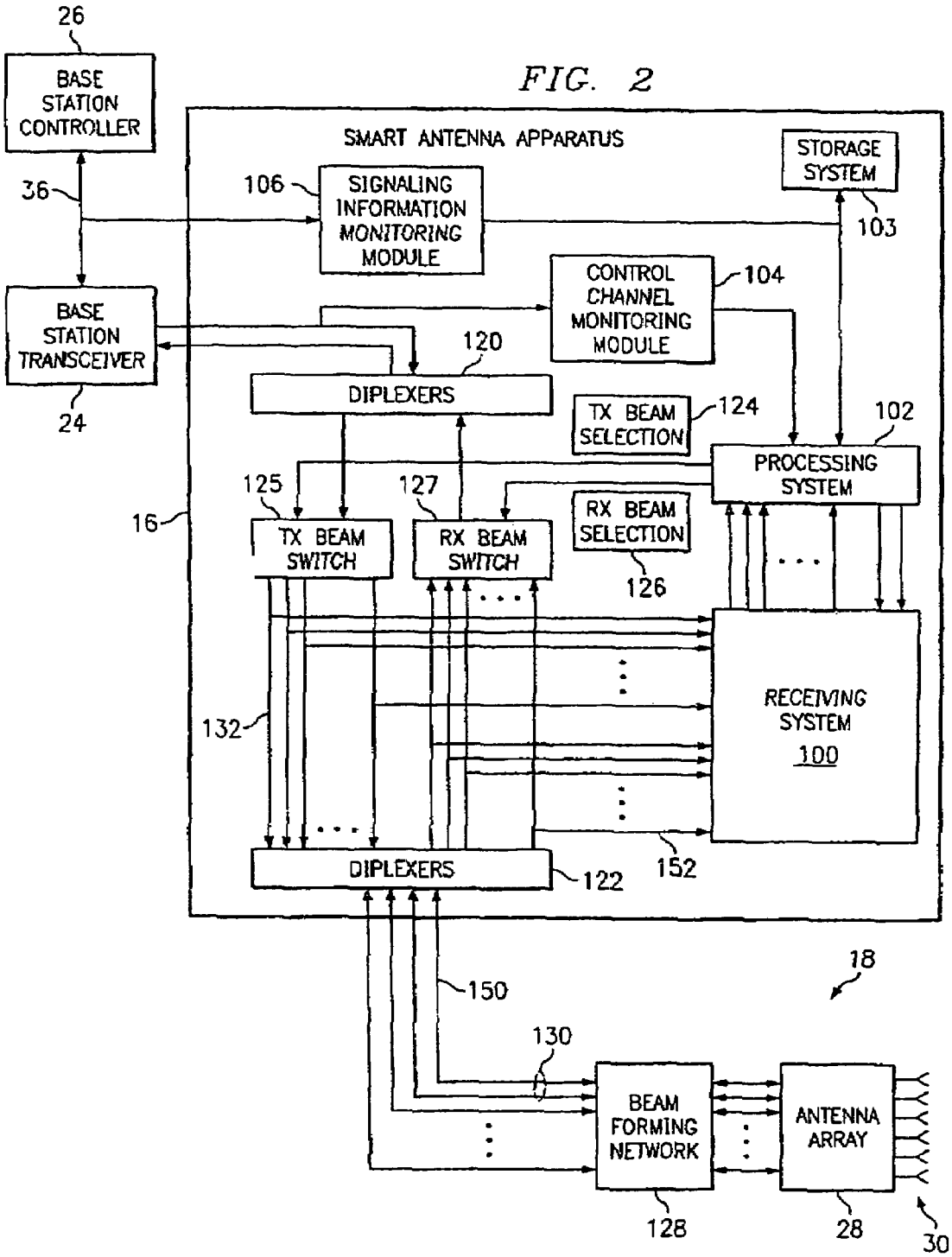
FIG. 2
26
BASE STATION CONTROLLER
36
BASE STATION TRANSCEIVER
24
SMART ANTENNA APPARATUS
106
SIGNALING INFORMATION MONITORING MODULE
STORAGE SYSTEM
103
CONTROL CHANNEL MONITORING MODULE
104
120
DIPLEXERS
TX BEAM SELECTION
124
102
PROCESSING SYSTEM
125
127
16
TX BEAM SWITCH
RX BEAM SWITCH
RX BEAM SELECTION
126
RECEIVING SYSTEM
100
132
DIPLEXERS
122
152
18
150
130
BEAM FORMING NETWORK
ANTENNA ARRAY
128
28
30