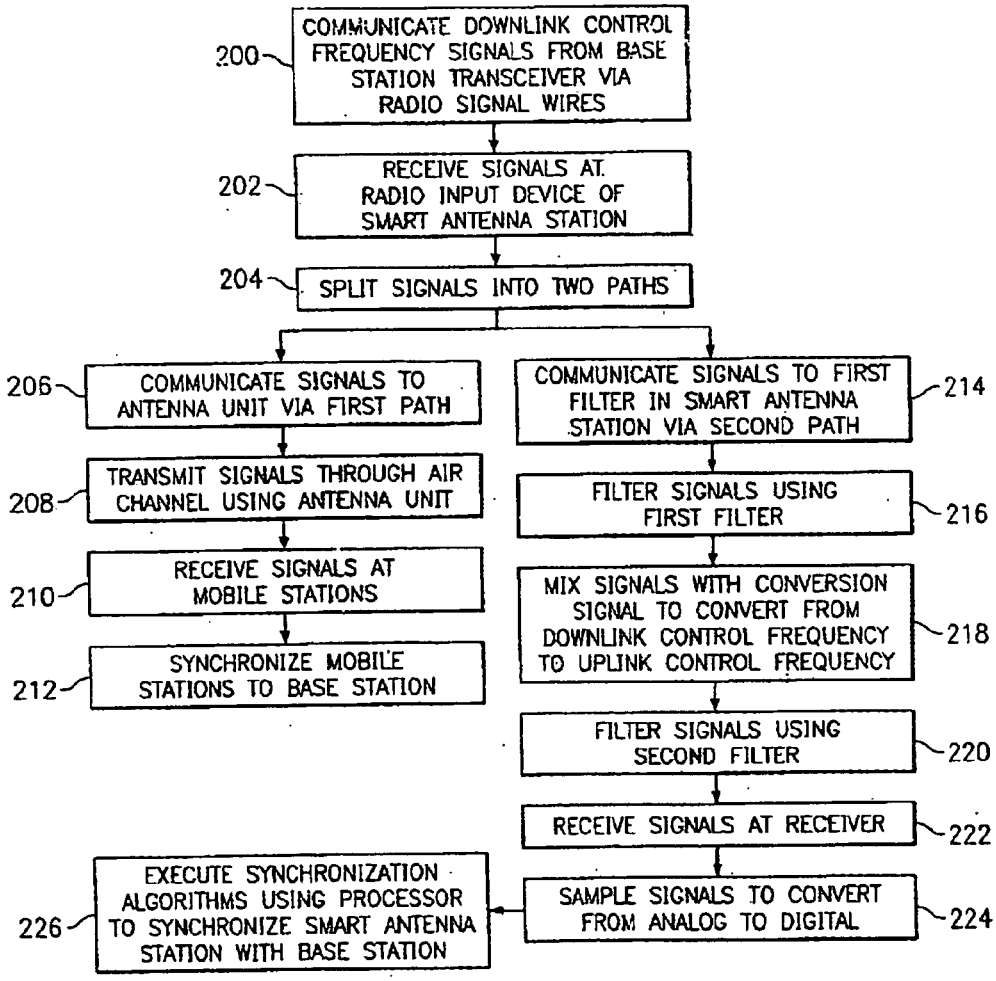
FIG. 6


200
COMMUNICATE DOWNLINK CONTROL FREQUENCY SIGNALS FROM BASE STATION TRANSCEIVER VIA RADIO SIGNAL WIRES
202
RECEIVE SIGNALS AT RADIO INPUT DEVICE OF SMART ANTENNA STATION
204
SPLIT SIGNALS INTO TWO PATHS
206
COMMUNICATE SIGNALS TO ANTENNA UNIT VIA FIRST PATH
208
TRANSMIT SIGNALS THROUGH AIR CHANNEL USING ANTENNA UNIT
210
RECEIVE SIGNALS AT MOBILE STATIONS
212
SYNCHRONIZE MOBILE STATIONS TO BASE STATION
214
COMMUNICATE SIGNALS TO FIRST FILTER IN SMART ANTENNA STATION VIA SECOND PATH
216
FILTER SIGNALS USING FIRST FILTER
218
MIX SIGNALS WITH CONVERSION SIGNAL TO CONVERT FROM DOWNLINK CONTROL FREQUENCY TO UPLINK CONTROL FREQUENCY
220
FILTER SIGNALS USING SECOND FILTER
222
RECEIVE SIGNALS AT RECEIVER
224
SAMPLE SIGNALS TO CONVERT FROM ANALOG TO DIGITAL
226
EXECUTE SYNCHRONIZATION ALGORITHMS USING PROCESSOR TO SYNCHRONIZE SMART ANTENNA STATION WITH BASE STATION