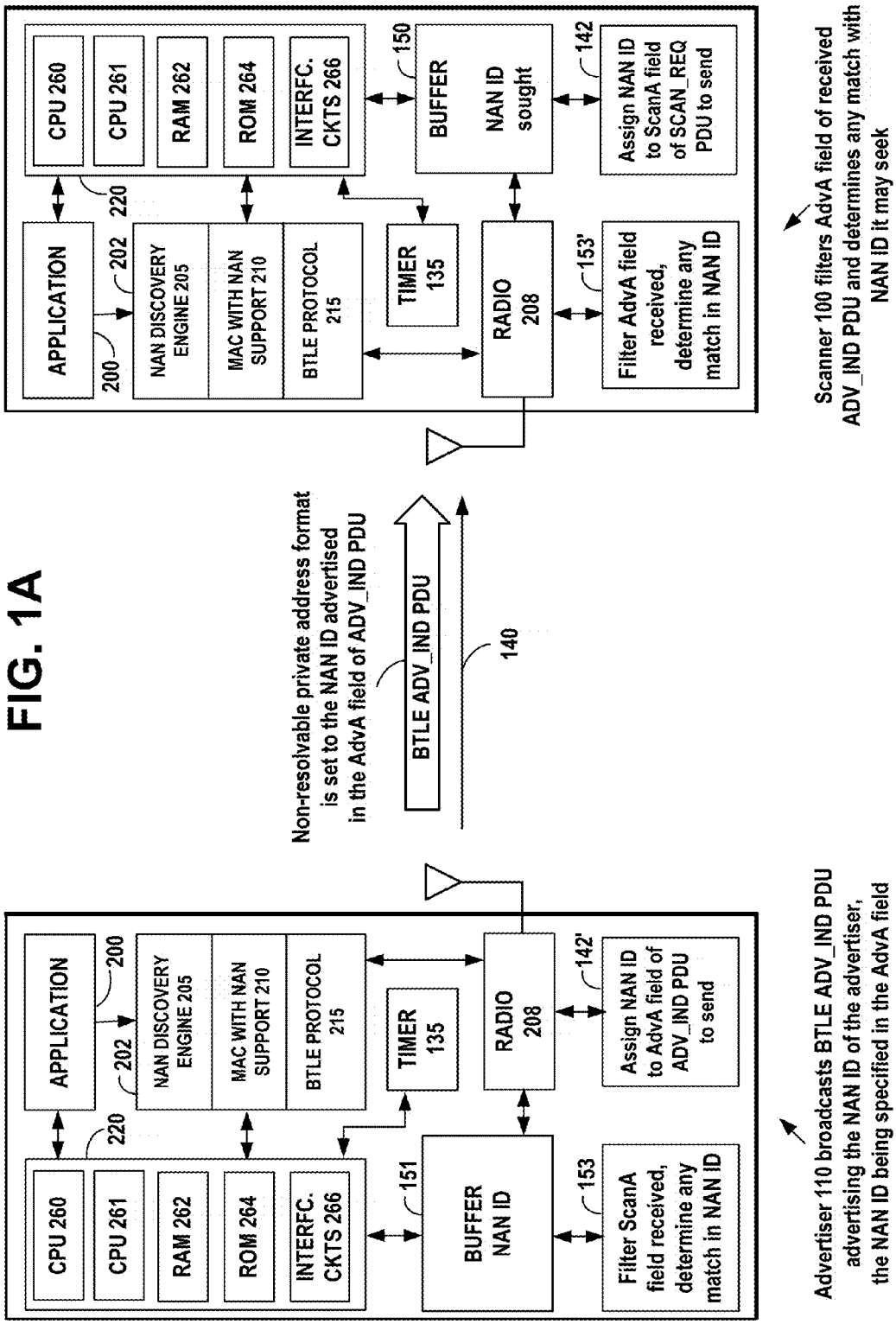
FIG. 1A


APPLICATION
200
202
NAN DISCOVERY ENGINE 205
MAC WITH NAN SUPPORT 210
BTLE PROTOCOL 215
220
CPU 260
CPU 261
RAM 262
ROM 264
INTERFC. CKTS 266
TIMER 135
RADIO 208
151
BUFFER NAN ID
142'
Assign NAN ID to AdvA field of ADV_IND PDU to send
153
Filter ScanA field received, determine any match in NAN ID
Advertiser 110 broadcasts BTLE ADV_IND PDU advertising the NAN ID of the advertiser, the NAN ID being specified in the AdvA field
Non-resolvable private address format is set to the NAN ID advertised in the AdvA field of ADV_IND PDU
BTLE ADV_IND PDU
140
150
BUFFER NAN ID sought
142
Assign NAN ID to ScanA field of SCAN_REQ PDU to send
153'
Filter AdvA field received, determine any match in NAN ID
Scanner 100 filters AdvA field of received ADV_IND PDU and determines any match with NAN ID it may seek