

20



CASING SEGMENT

- TRANSMISSION CROSSOVER ARRANGEMENT
 - > AT LEAST ONE EXTERAL COIL ANTENNA
 - >CO-AXIAL
 - >TILTED
 - >MULTI-COMPONENT
 - > AT LEAST ONE ADAPTER FOR ACCESS ALONG INTERIOR
 - >INDUCTIVE COUPLER
 - >ELECTRODE-BASED COUPLER
 - >CAPACITIVE COUPLING
 - >GALVANIC COUPLING
 - >ENERGY STORAGE DEVICE
 - >DATA STORAGE DEVICE
 - >SENSORS
 - INTERIOR SENSORS
 - EXTERIOR SENSORS
 - >CONTROL UNIT/CIRCUITRY
 - >TRANSMISSION CONTROL
 - >ADDRESSING SCHEME
 - >MODULATION SCHEME
 - >MULTIPLEXING
 - >TIMING
 - >POWER MANAGEMENT
 - >RECEPTION CONTROL
 - >ADDRESSING SCHEME
 - >DEMODULATION SCHEME
 - >DEMULTIPLEXING
 - >NON-CONDUCTIVE WINDOWS IN CONDUCTIVE TUBULAR
 - >RECESSES/COVERS INTEGRATED WITH CONDUCTIVE TUBULAR FOR TRANSMISSION CROSSOVER ARRANGEMENT COMPONENTS

FIG. 1

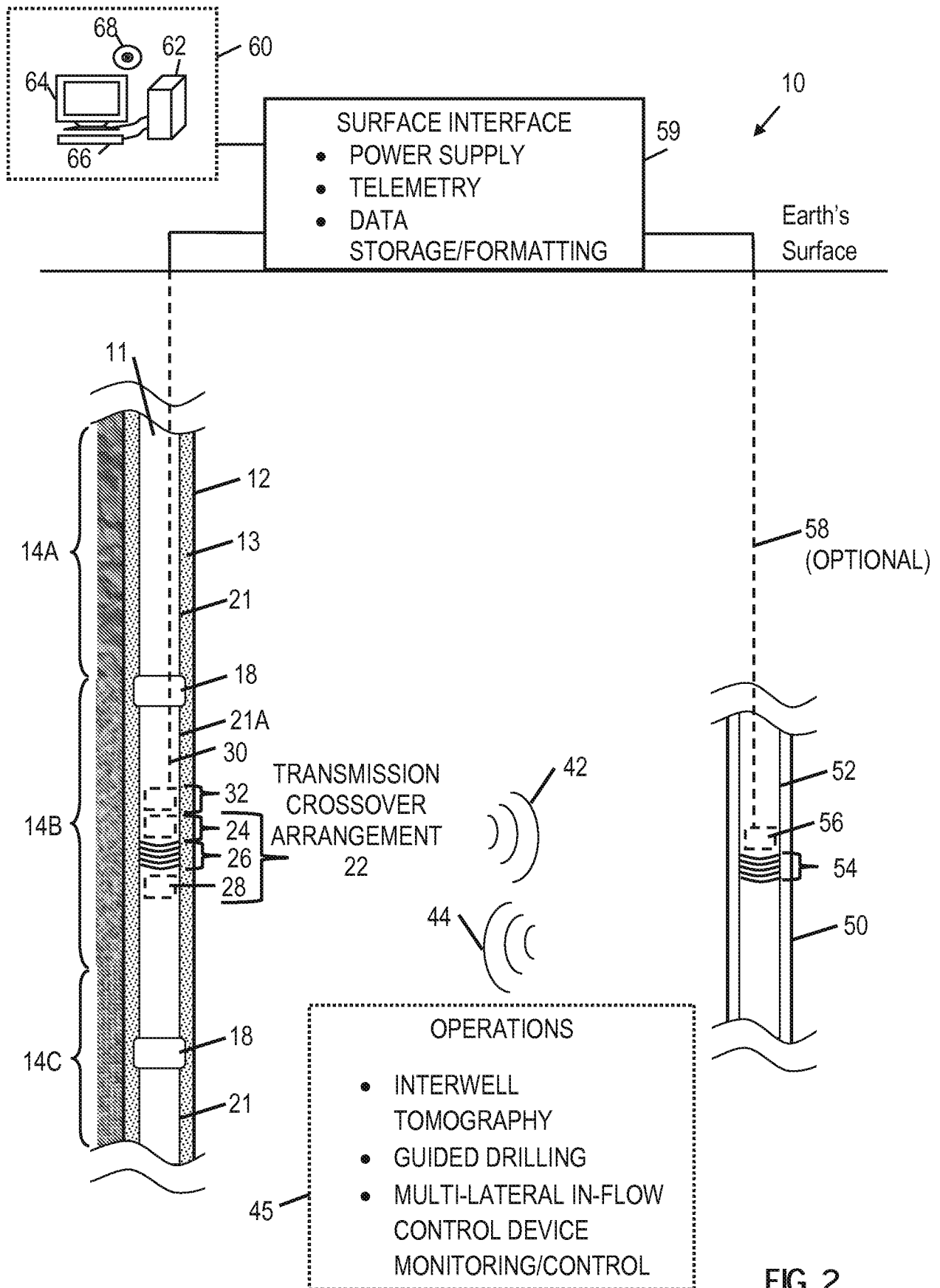


FIG. 2

FIG. 3

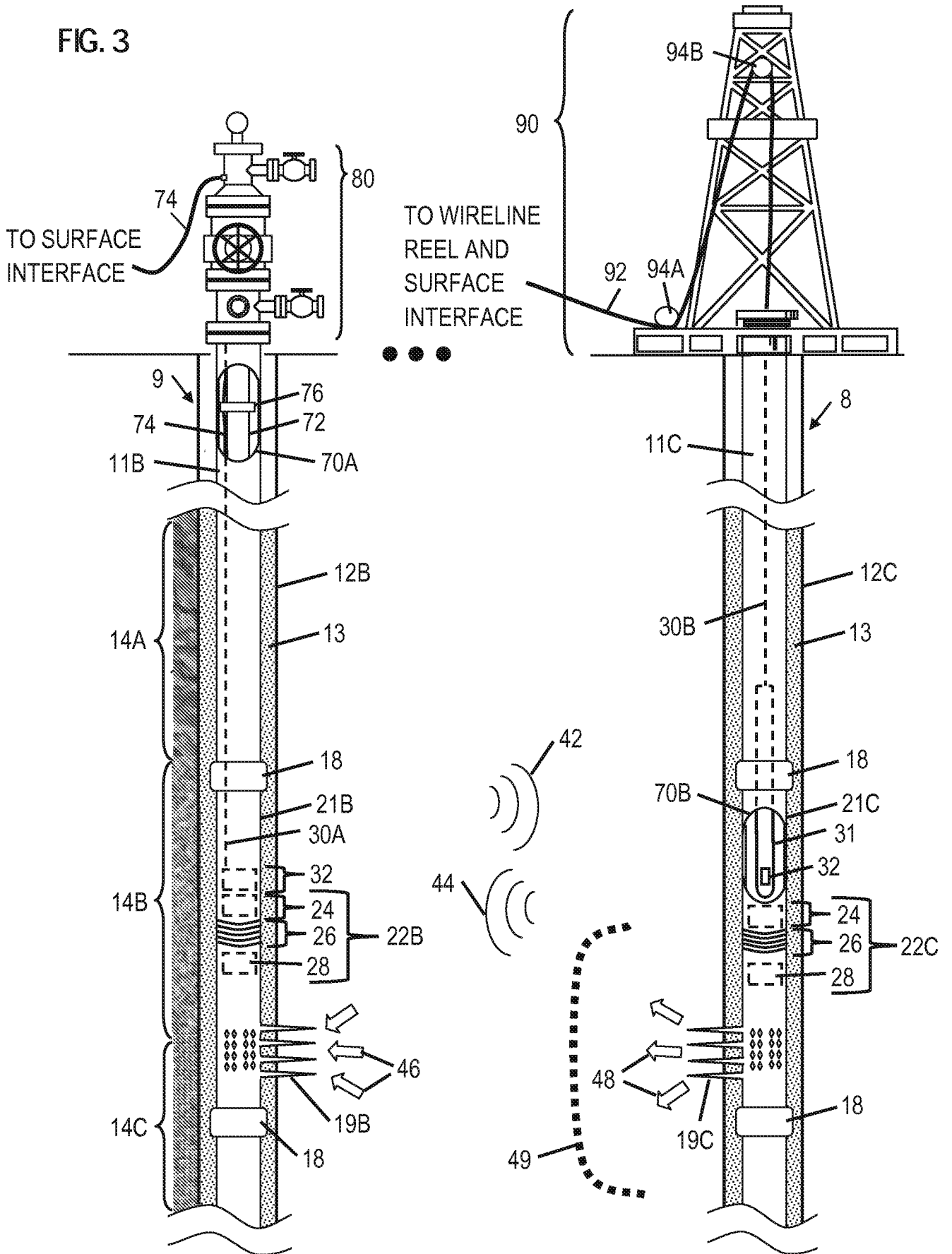


FIG. 4A

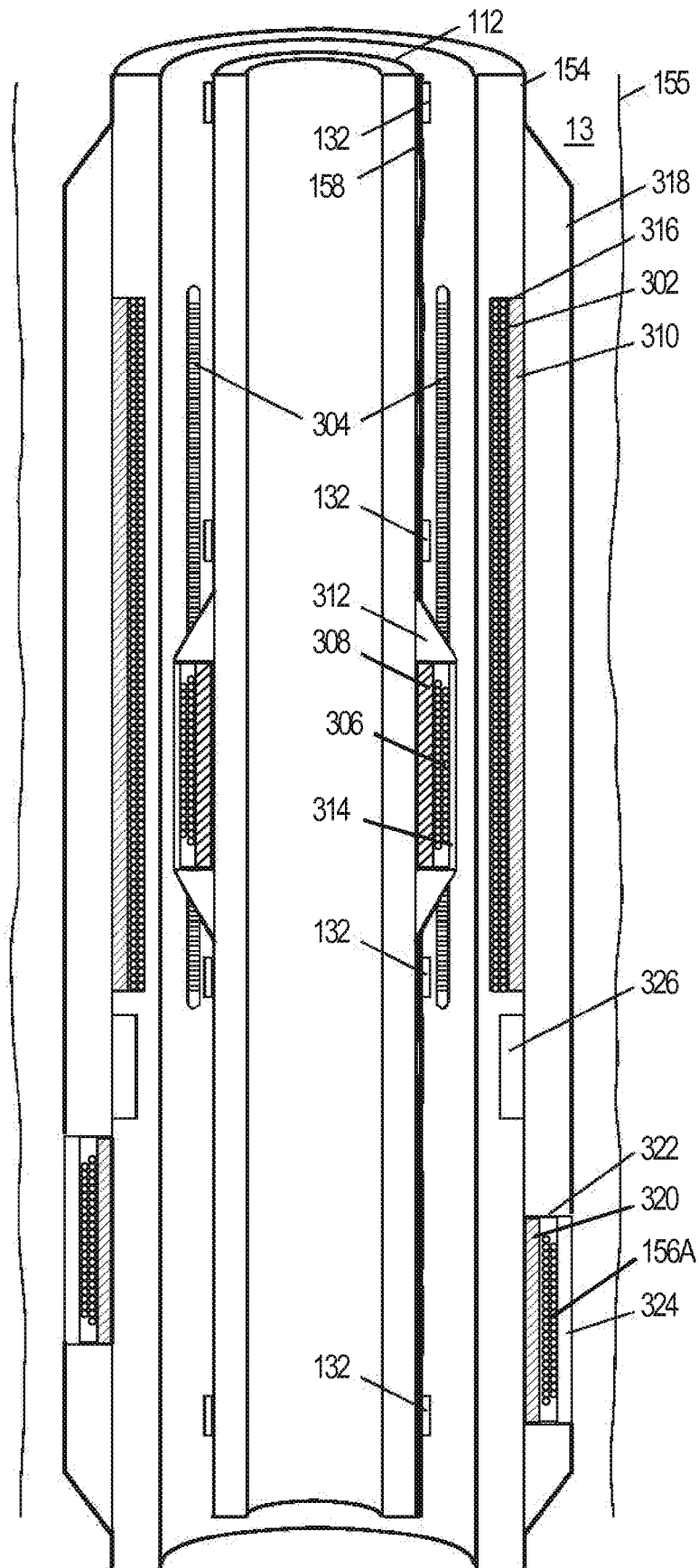


FIG. 4B

FIG. 4C

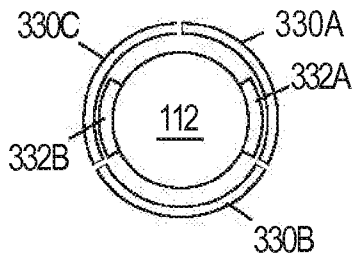
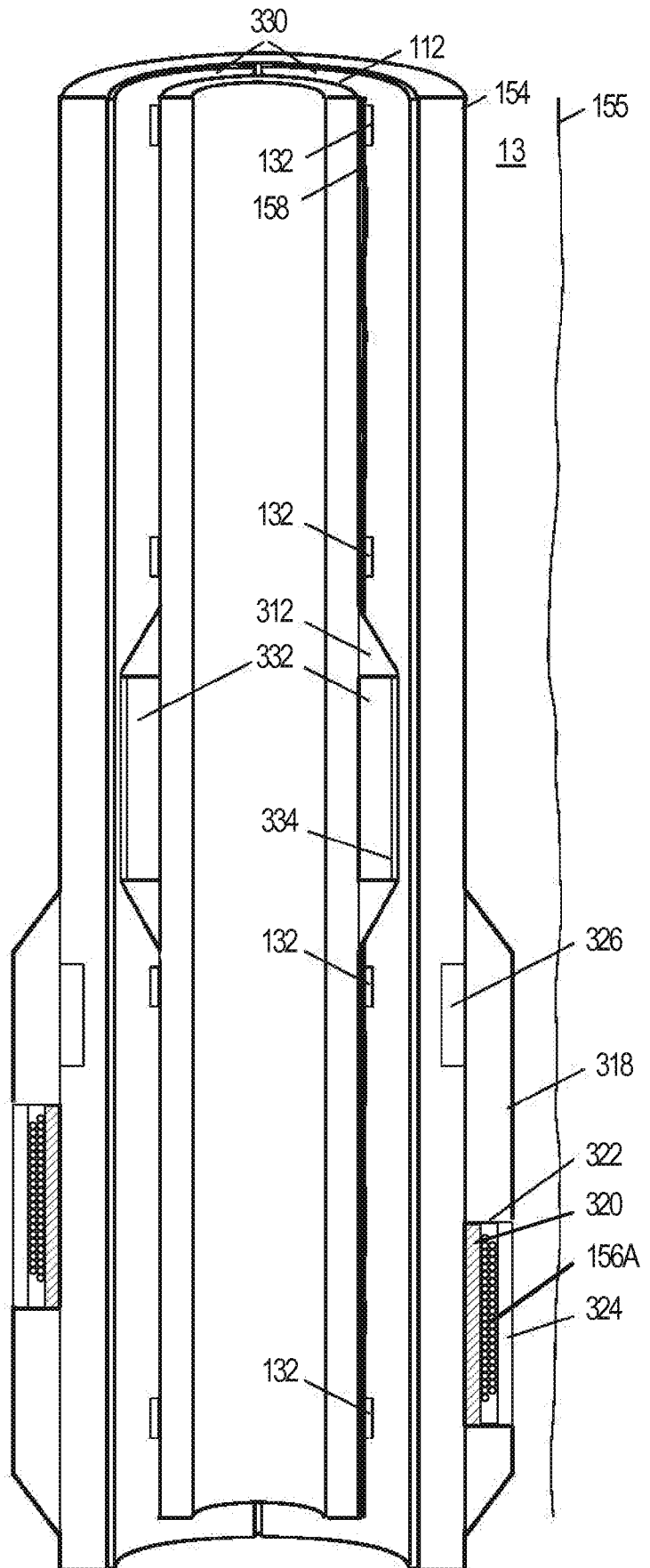
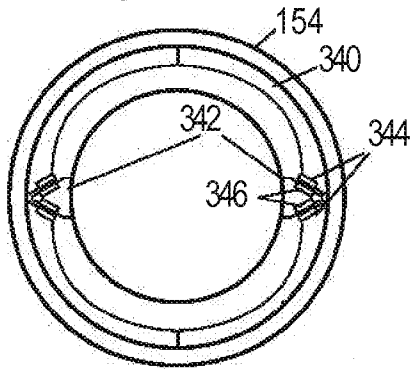
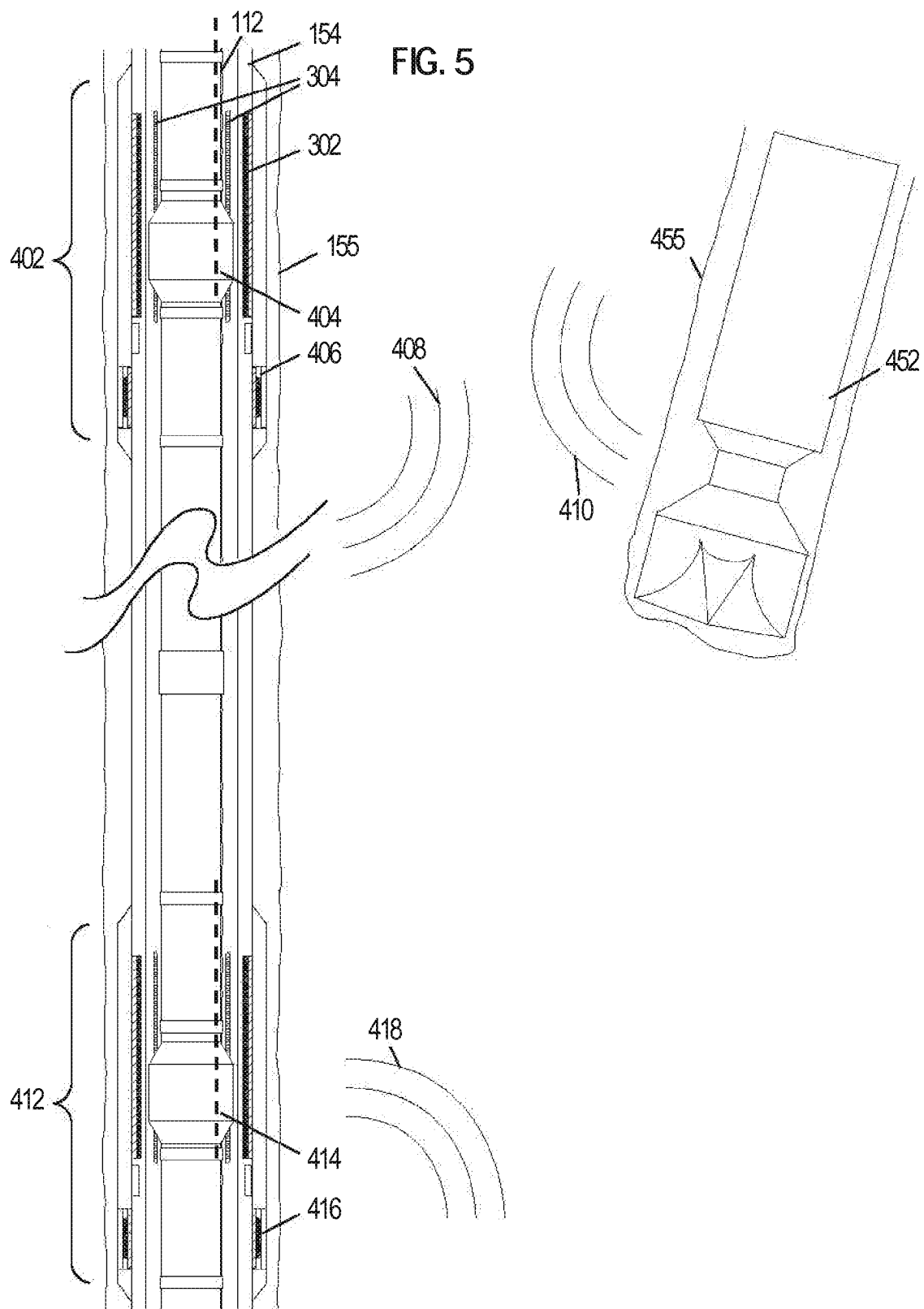
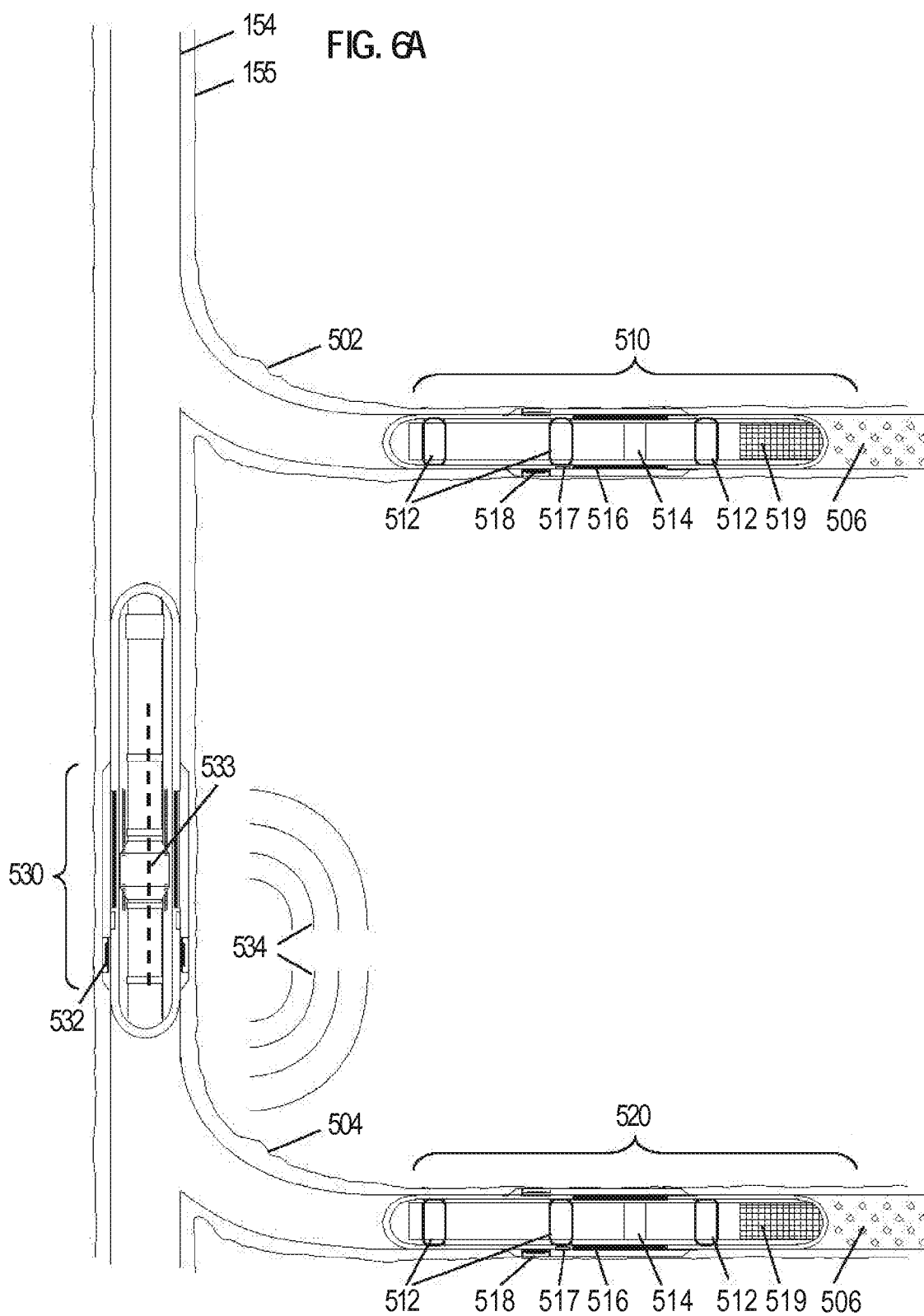
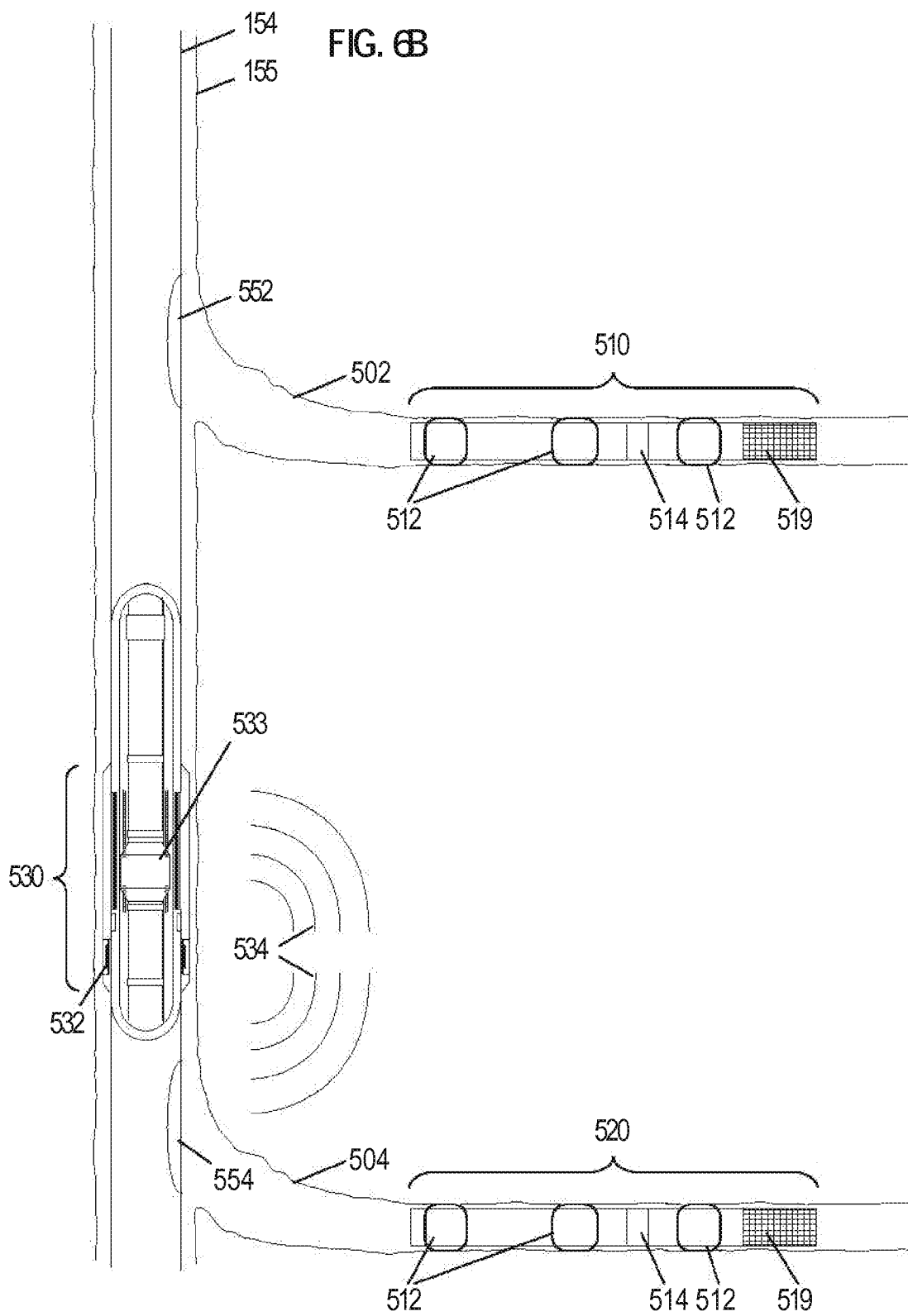


FIG. 4D









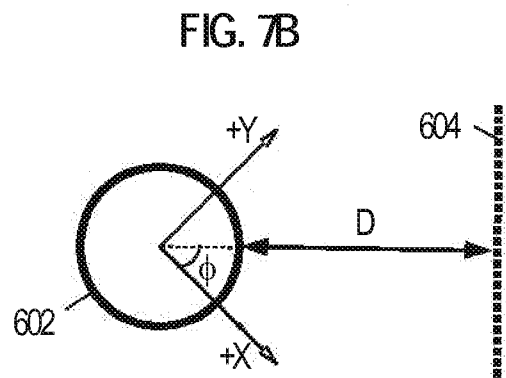
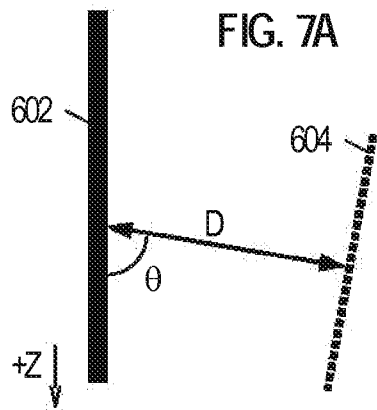


FIG. 7C

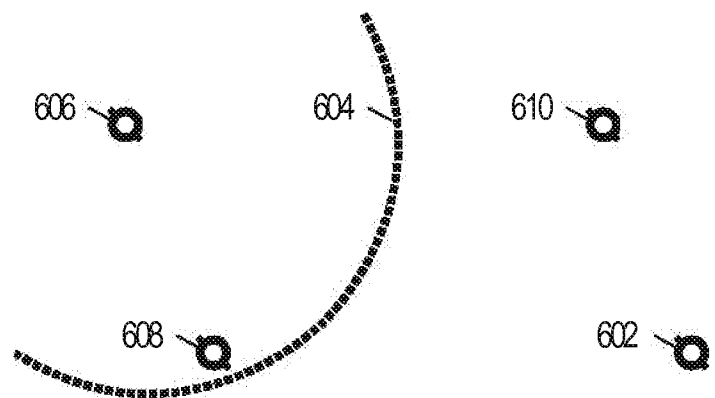


FIG. 8

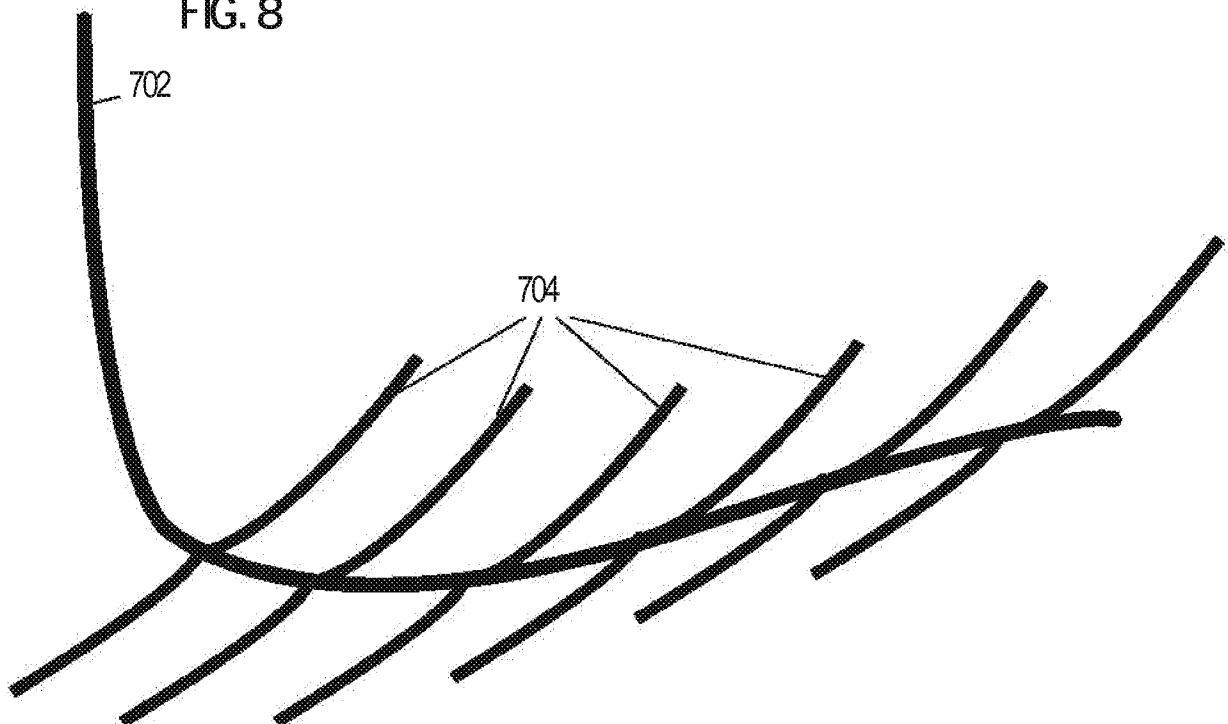


FIG. 9A

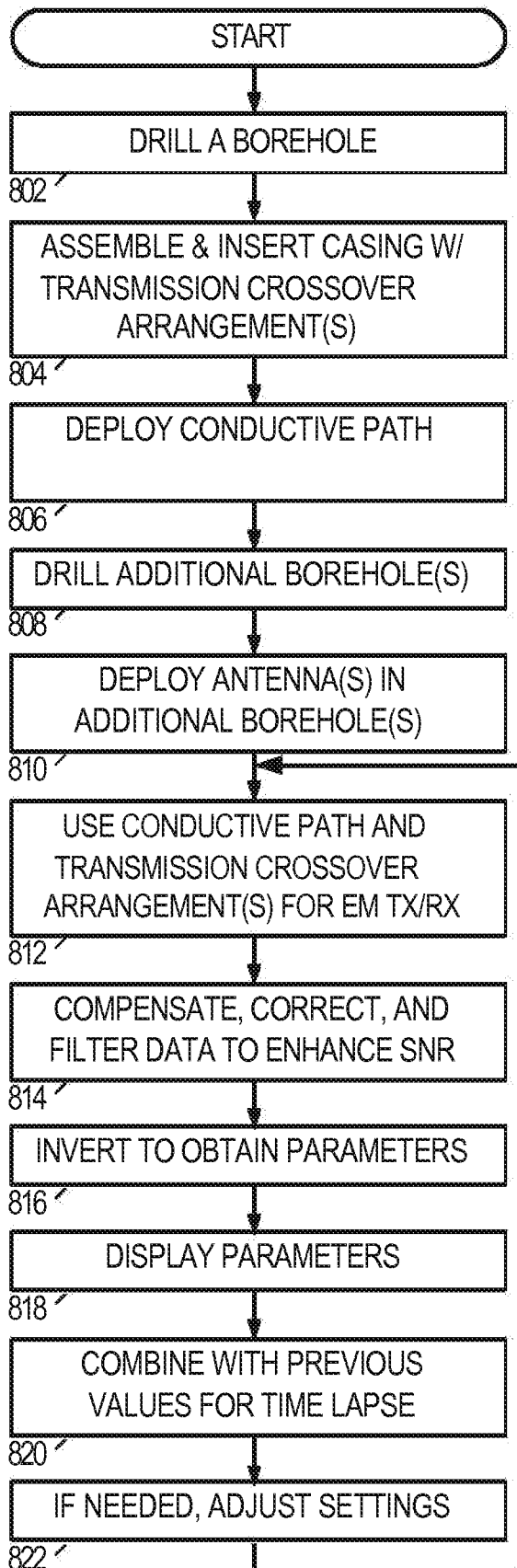


FIG. 9B

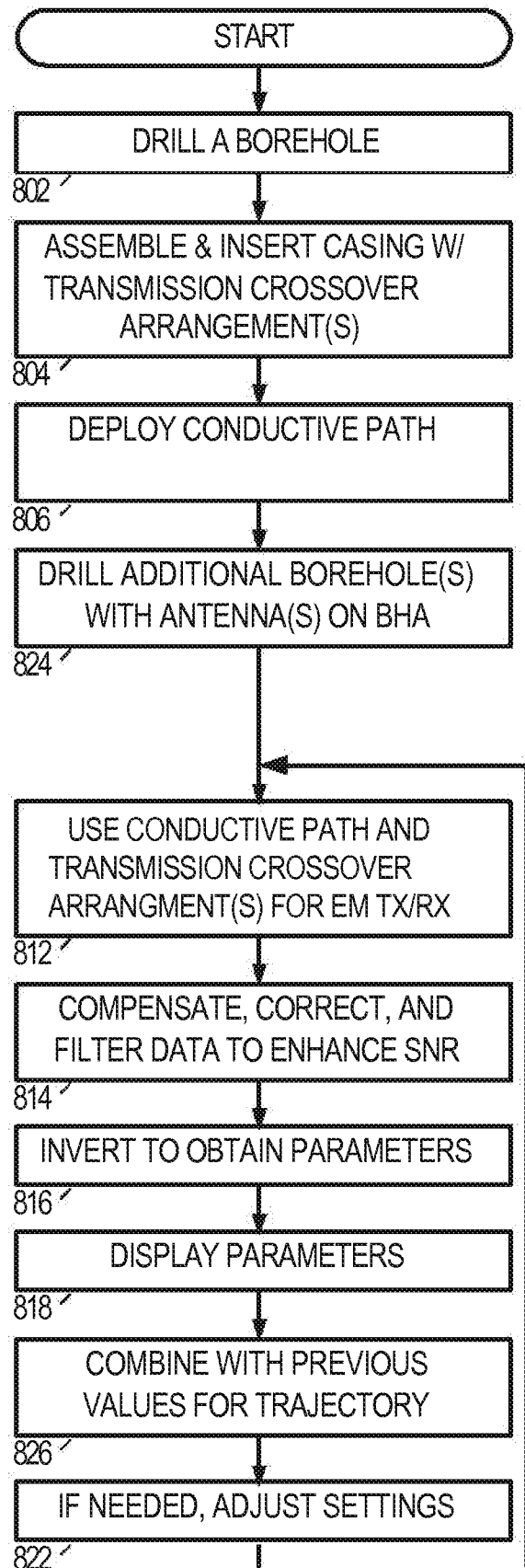


FIG. 9C

