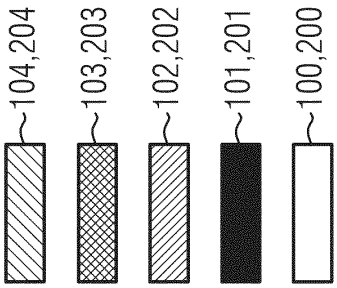

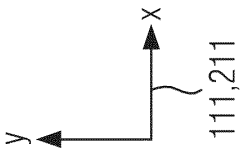

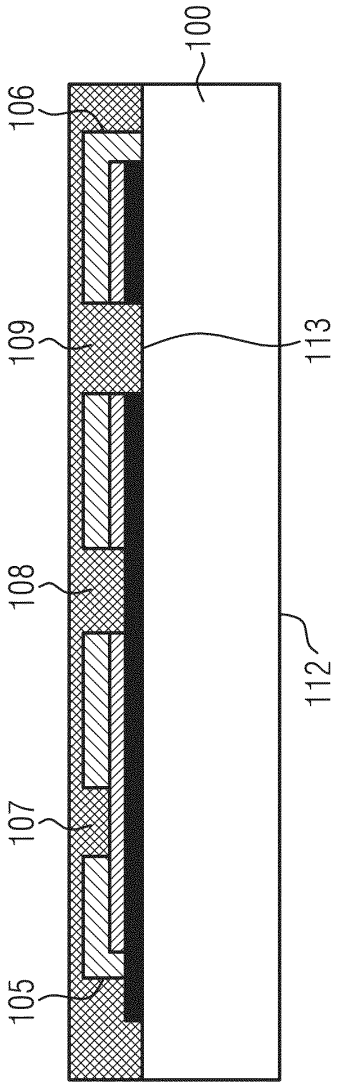

FIG. 1a, 110

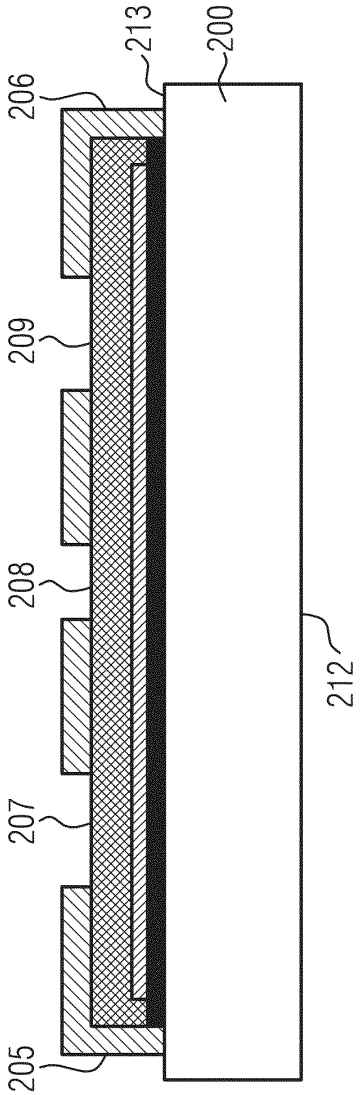

FIG. 1b, 210

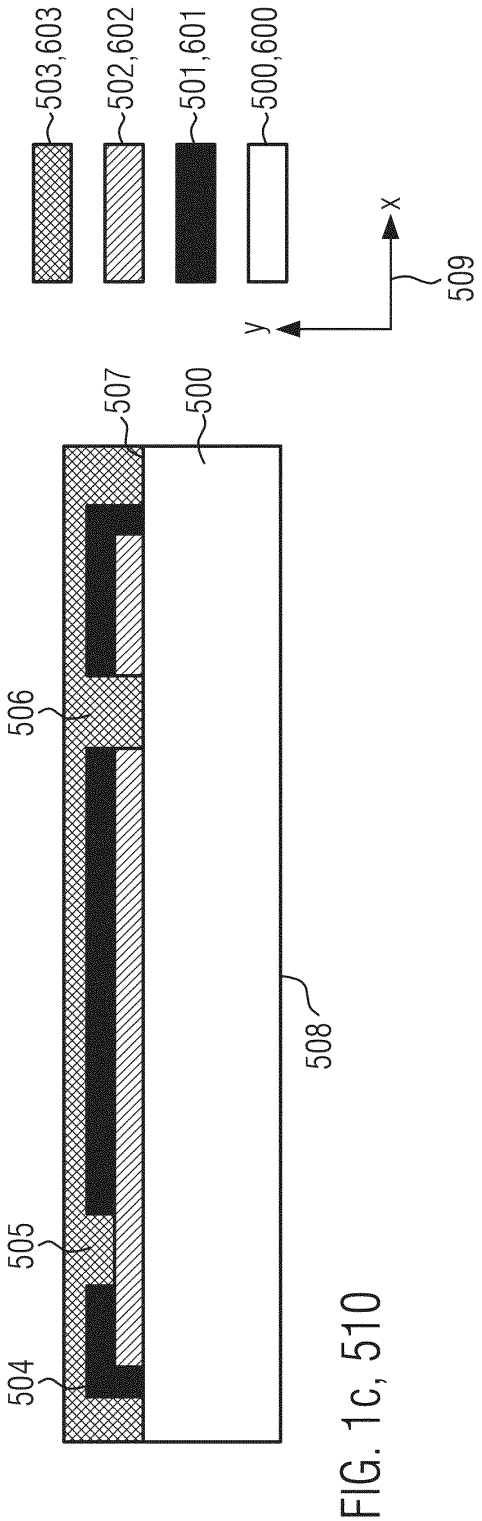

FIG. 1c, 510

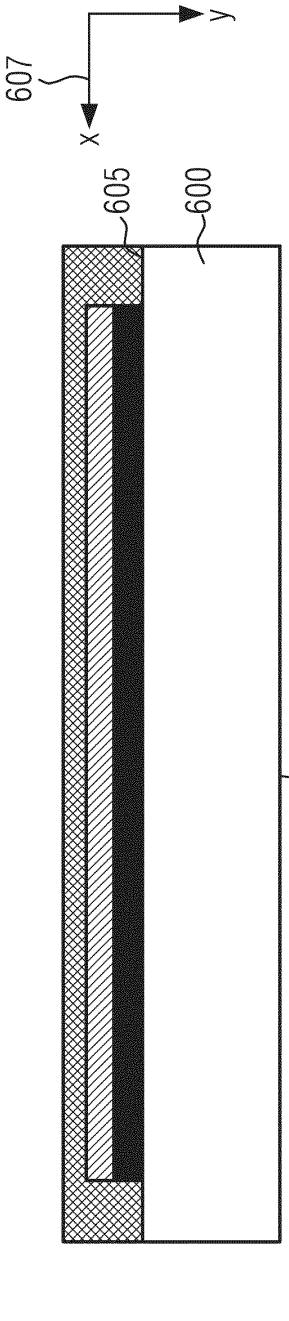

FIG. 1d, 610

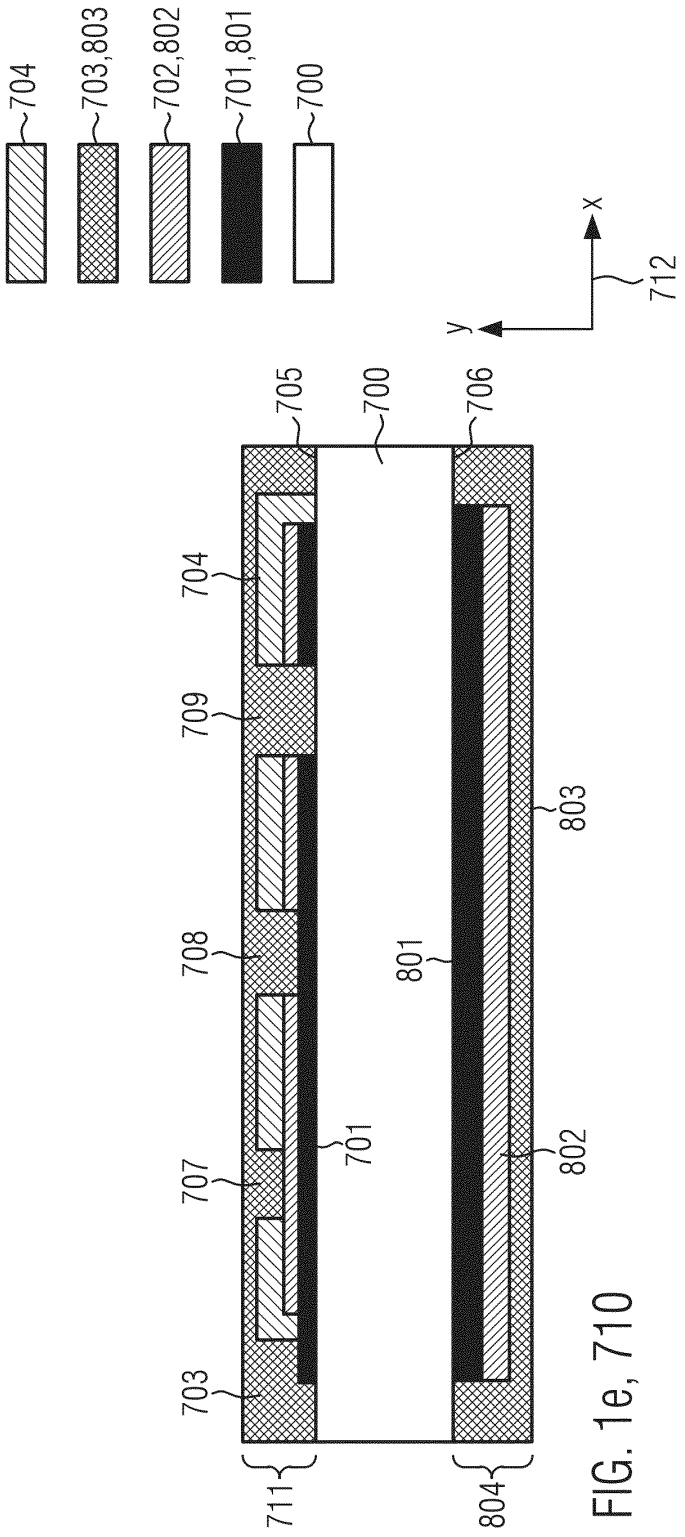
704
703,803
702,802
701,801
700
x
y
712
705
700
706
704
709
708
707
703
701
801
803
802
711
804

FIG. 1e, 710

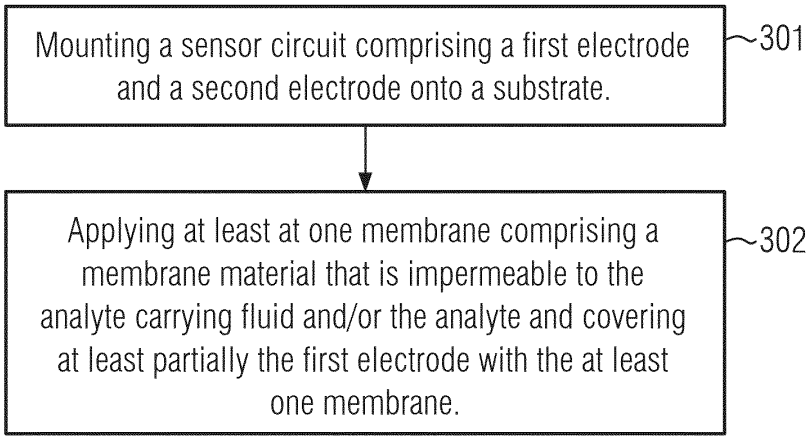
Mounting a sensor circuit comprising a first electrode and a second electrode onto a substrate.
301
Applying at least at one membrane comprising a membrane material that is impermeable to the analyte carrying fluid and/or the analyte and covering at least partially the first electrode with the at least one membrane.
302

FIG. 2, 300

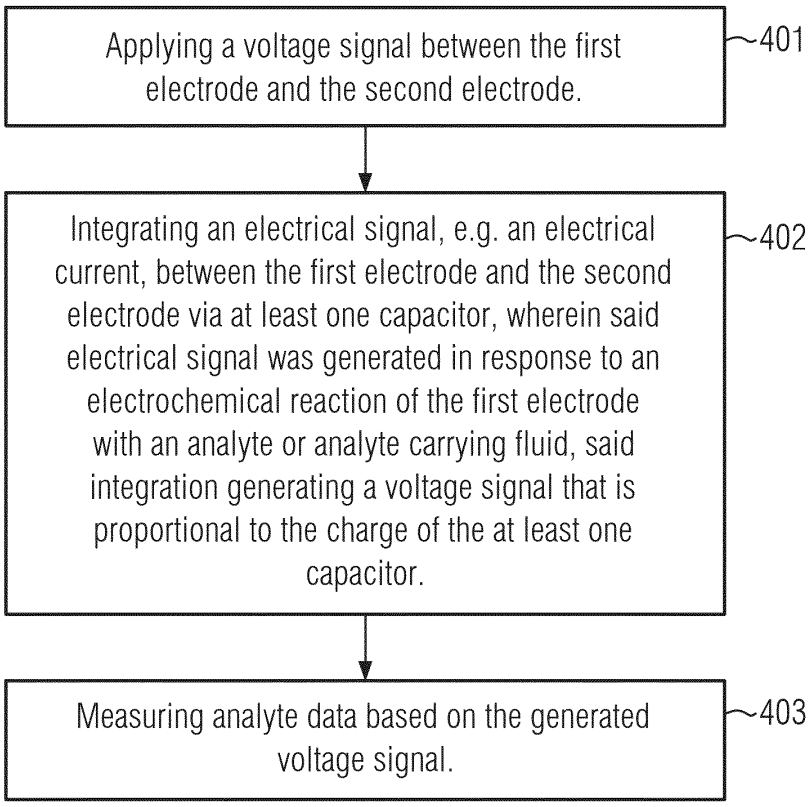
Applying a voltage signal between the first electrode and the second electrode.
401
Integrating an electrical signal, e.g. an electrical current, between the first electrode and the second electrode via at least one capacitor, wherein said electrical signal was generated in response to an electrochemical reaction of the first electrode with an analyte or analyte carrying fluid, said integration generating a voltage signal that is proportional to the charge of the at least one capacitor.
402
Measuring analyte data based on the generated voltage signal.
403

FIG. 3, 400