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(54) Title: PROTEIN SEQUENCING VIA COUPLING OF POLYMERIZABLE MOLECULES

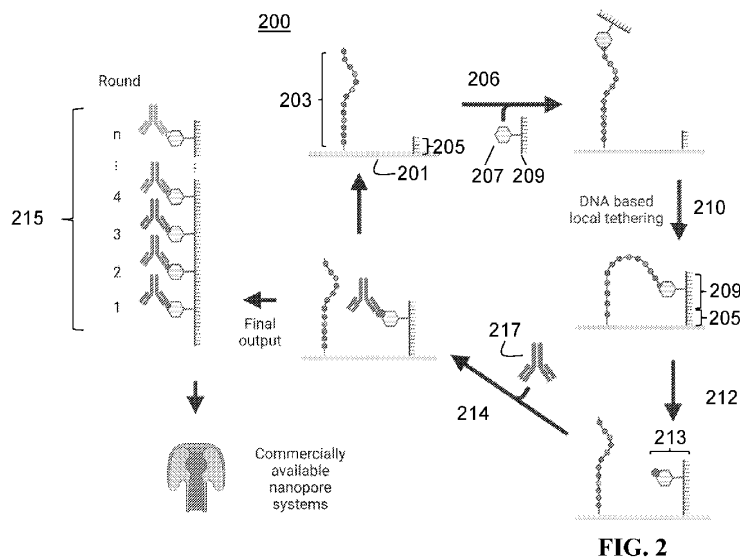


FIG. 2

(57) Abstract: Provided herein are methods and systems for sequencing proteins. One or more methods disclosed herein may use linkers comprising an amino acid-reactive group and an additional reactive moiety that may be used to couple a polymerizable molecule. The linker may couple to a polymerizable molecule and an amino acid of a peptide and a capture moiety via the polymerizable molecule, followed by cleavage of the amino acid from the peptide. Further processing and analysis may be conducted using, for example, nanopores or nanogaps.

[Continued on next page]

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