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(54) Title: FLOW CELLS

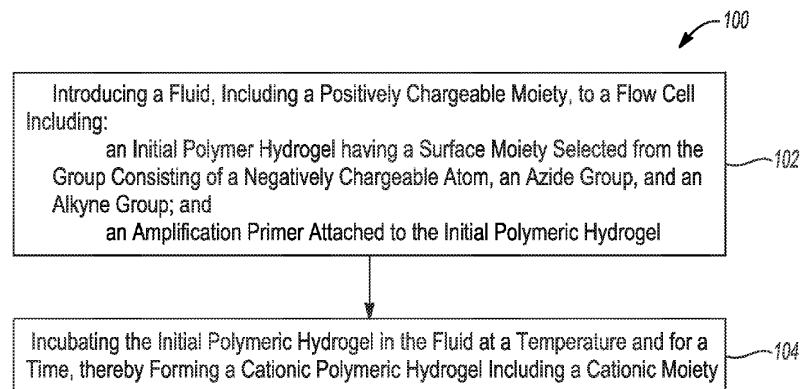


Fig-1

(57) Abstract: An example of a flow cell includes a substrate and a cationic polymeric hydrogel on the substrate. The cationic polymeric hydrogel includes a cationic moiety that is i) integrated into a monomeric unit of an initial polymeric hydrogel or ii) attached to the monomeric unit of the initial polymeric hydrogel through a linker. The flow cell further includes an amplification primer attached to the cationic polymeric hydrogel.

[Continued on next page]

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