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(71) Applicant: **ILLUMINA CAMBRIDGE LIMITED**
[GB/GB]; 19 Granta Park, Great Abington, Cambridge,
Cambridgeshire, CB21 6DF (GB).

(72) Inventors: **ARTIOLI, Gianluca, Andrea**; ILLUMINA
CAMBRIDGE LIMITED, 19 Granta Park, Great Abington,
Cambridge, Cambridgeshire, CB21 6DF (GB). **VON HAT-
TEN, Xavier**; ILLUMINA CAMBRIDGE LIMITED, 19
Granta Park, Great Abington, Cambridge, Cambridgeshire,
CB21 6DF (GB).

(74) Agent: **FORRESTERS IP LLP**; Sky garden, Erika-Mann-
Str. 11, 80636 Munich (DE).

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(54) Title: ALTERING FLOW CELL SIGNALS

(57) Abstract: In an example method, a hydrogel is applied to a surface of a substrate and primers are grafted to the applied hydrogel. Before or after the primers are grafted, plasmonic nanostructures are introduced to the applied hydrogel. This substrate can make up one surface of a flow cell. When the flow cell is used in a sequencing operation, the plasmonic nanostructures can enhance fluorescent signals that are generated.



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