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(54) Title: DEVICES WITH FIELD EFFECT TRANSISTORS

(57) Abstract: Devices and methods of using the devices are disclosed which can provide scalability, improved sensitivity and reduced noise for sequencing polynucleotide. Examples of the devices include a biological or solid-state nanopore, a field effect transistor (FET) sensor with improved gate controllability over the channel, and a porous structure.

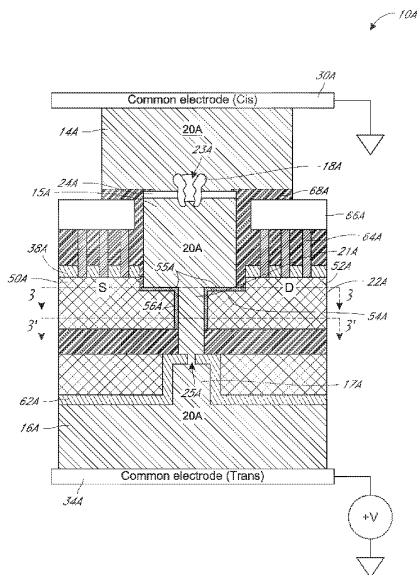


FIG. 2A

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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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