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(54) **Title**: NANOWIRE EPITAXY ON A GRAPHITIC SUBSTRATE

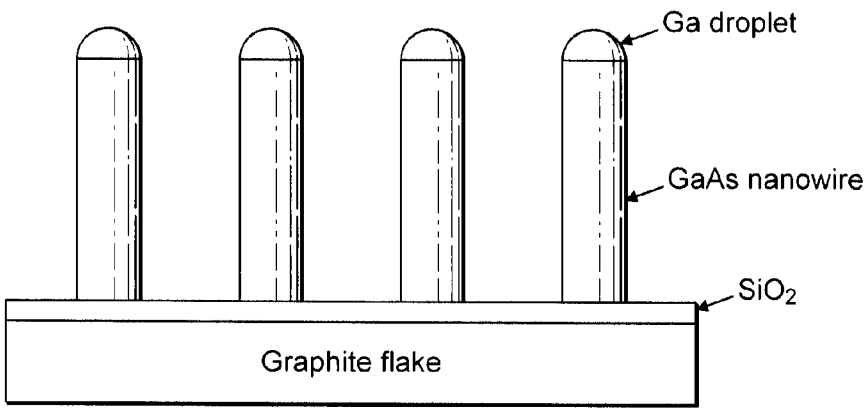


Fig. 3A

(57) **Abstract**: A composition of matter comprising at least one nanowire on a graphitic substrate, said at least one nanowire having been grown epitaxially on said substrate, wherein said nanowire comprises at least one group III-V compound or at least one group II-VI compound or comprises at least one non carbon group (IV) element.

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