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(54) Title: METHODS FOR ORIENTED GROWTH OF NANOWIRES ON PATTERNED SUBSTRATES

(57) Abstract: The present invention is directed to systems and methods for nanowire growth and harvesting. In an embodiment, methods for nanowire growth and doping are provided, including methods for epitaxial oriented nanowire growth using a combination of silicon precursors, as well as use of patterned substrates to grow oriented nanowires. In a further aspect of the invention, methods to improve nanowire quality through the use of sacrificial growth layers are provided. In another aspect of the invention, methods for transferring nanowires from one substrate to another substrate are provided.

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INTERNATIONAL SEARCH REPORT

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0175408A (Majumdar et al) 28.11.2002, paragraph 91-101.	1-45
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.		
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