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(71) Applicant *(for all designated States except US)*: **ELEMENT SIX LIMITED** [GB/GB]; Isle Of Man Freeport, Ballasalla, Isle Of Man IM99 6AQ (GB).

(71) Applicant *(for MN only)*: **MCKNIGHT, John, Crawford** [ZA/ZA]; Building No. 13, Highgrove Office Park, Oak Avenue, Centurion, 0001 Pretoria (ZA).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **WHITEHEAD, Andrew, John** [GB/GB]; 60 Cheylesmore Drive, Camberley, Surrey GU16 9BW (GB). **WORT, Christopher, John, Howard** [GB/GB]; 61 Upthorpe Drive, Wantage Oxfordshire (GB). **SCARSBROOK, Geoffrey, Alan** [GB/GB]; 40 Cavendish Mead, Sunninghill, Ascot, Berkshire SL5 9TD (GB).

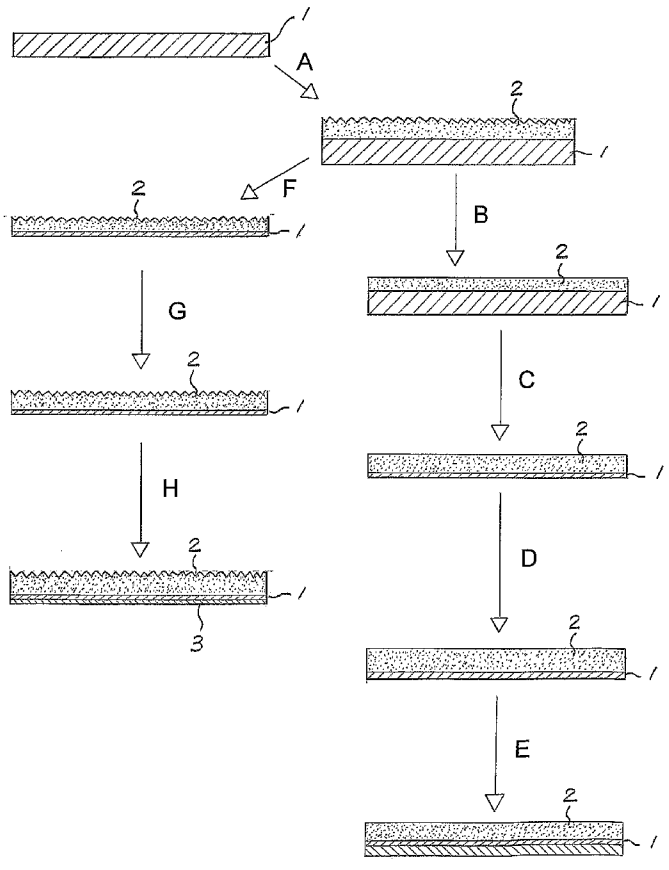
(74) Agents: **SPOOR & FISHER** et al.; Building No. 13, Highgrove Office Park, Oak Avenue, Centurion, P O Box 454, 0001 Pretoria (ZA).

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(54) Title: DIAMOND BASED SUBSTRATE FOR ELECTRONIC DEVICES



(57) Abstract: The invention relates to a method of manufacture of a substrate for fabrication of semiconductor layers or devices, comprising the steps of providing a wafer of silicon including at least one first surface suitable for use as a substrate for CVD diamond synthesis, growing a layer of CVD diamond of predetermined thickness and having a growth face onto the first surface of the silicon wafer, reducing the thickness of the silicon wafer to a predetermined level, and providing a second surface on the silicon wafer that is suitable for further synthesis of at least one semiconductor layer suitable for use in electronic devices or synthesis of electronic devices on the second surface itself and to a substrate suitable for GaN device growth consisting of a CVD diamond layer intimately attached to a silicon surface.

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