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(54) Title: CARRIER-SUBSTRATE ADHESIVE SYSTEM

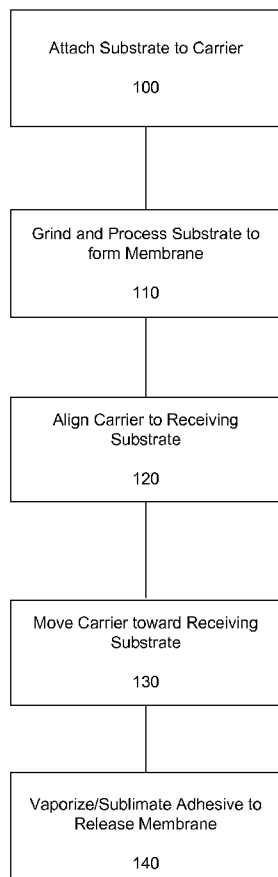


Fig 4

(57) Abstract: A system and method for creating three-dimensional nanostructures is disclosed. The system includes a substrate bonded to a carrier using a bonding agent. The bonding agent may be vaporizable or sublimable. The carrier may be a glass or glass-like substance. In some embodiments, the carrier may be permeable having one or a plurality of pores through which the bonding agent may escape when converted to a gaseous state with heat, pressure, light or other methods. A substrate is bonded to the carrier using the bonding agent. The substrate is then processed to form a membrane. This processing may include grinding, polishing, etching, patterning, or other steps. The processed membrane is then aligned and affixed to a receiving substrate, or a previously deposited membrane.





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