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(54) **Title:** SIMULTANEOUS GROWTH OF TWO SILICON CARBIDE LAYERS

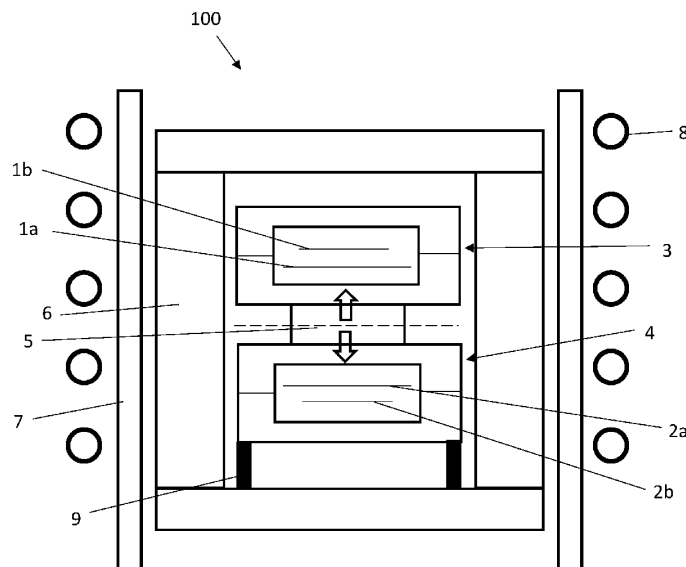


Fig. 1

(57) **Abstract:** Provided is a system (100) for simultaneously producing a first and a second epitaxial monocrystalline layer on a respective first and second substrate, comprising a first inner container (3) defining a first cavity for accommodating a first source material and the first substrate, a second inner container (4) defining a second cavity for accommodating a second source material and the second substrate, an insulation container (6) arranged to accommodate the first and second inner containers (3, 4) therein, an outer container (7) arranged to accommodate the insulation container (6) and the first and second inner containers (3, 4) therein and heating means (8) arranged outside the outer container (7) and configured to heat the first and second cavities simultaneously.

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