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(54) **Title:** ADVANCED SELF ALIGNED MULTIPLE PATTERNING USING TIN OXIDE

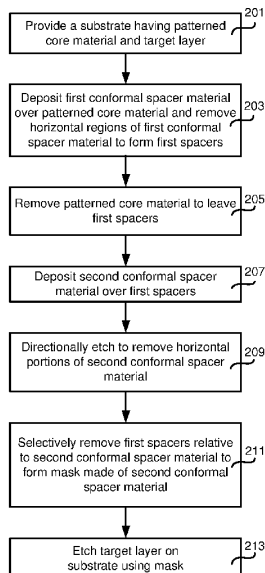


FIG. 2

(57) **Abstract:** Methods and apparatuses for performing spacer on spacer multiple patterning schemes using an exhumable first spacer material and a complementary second spacer material. Certain embodiments involve using a tin oxide spacer material for one of the spacer materials in spacer on spacer self aligned multiple patterning.

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