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(54) Title: SUBSTRATE COMPRISING CONFORMAL METAL CARBIDE COATING

(57) Abstract: In a first aspect, the present disclosure relates to a method for coating a substrate with a metal or transition metal carbide by thermal chemical vapor deposition, wherein the method comprises the following steps: -Placing a substrate in a reaction chamber, and -Supplying the reaction chamber with SiCl₄, ethene and a carrier gas, and wherein a process temperature in the reaction chamber is between about 900 °C to about 1050 °C.

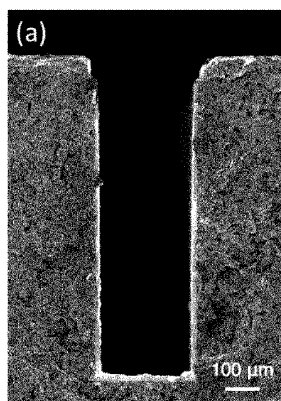


Figure 11

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