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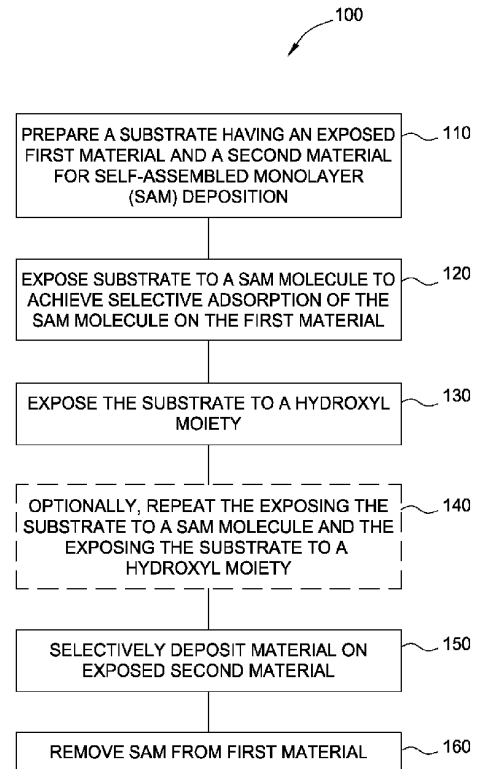
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- (72) Inventors:  
• **Kaufman-Osborn, Tobin Sunnyvale, 94086 (US)**  
• **Wong, Keith Tatseun Mountain View, 94040 (US)**
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- (71) Applicant: **Applied Materials, Inc. Santa Clara, CA 95054 (US)**
- (74) Representative: **Zimmermann & Partner Patentanwälte mbB Postfach 330 920 80069 München (DE)**

(54) **IMPROVED SELF-ASSEMBLED MONOLAYER BLOCKING WITH INTERMITTENT AIR-WATER EXPOSURE**

(57) Implementations described herein generally relate to processes for the fabrication of semiconductor devices in which a self-assembled monolayer (SAM) is used to achieve selective area deposition. Methods described herein relate to SAM molecule and hydroxyl moiety exposure operations which may be utilized to form SAM layers suitable for blocking deposition of subsequently deposited materials.



**FIG. 1**

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EUROPEAN SEARCH REPORT

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A	US 2008/116481 A1 (SHARMA AJAY K [US] ET AL) 22 May 2008 (2008-05-22) * abstract; figures *	1-12	
A	US 2007/166989 A1 (FRESCO ZACHARY [US] ET AL) 19 July 2007 (2007-07-19) * paragraph [0077] * * paragraph [0110] *	6,10,11	
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The present search report has been drawn up for all claims			
Place of search <b>The Hague</b>		Date of completion of the search <b>12 June 2024</b>	Examiner <b>Bouhal, François</b>
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	

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ANNEX TO THE EUROPEAN SEARCH REPORT  
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