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**Cavins et al.**

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(54) **DEVICES AND METHODS FOR STARTING STRIP MATERIAL IN A SUBSTRATE PROCESSING MACHINE**

(58) **Field of Classification Search**  
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(Continued)

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 63 days.

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(57) **ABSTRACT**

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**Related U.S. Application Data**

(63) Continuation-in-part of application No. 14/477,045, filed on Sep. 4, 2014.

Systems and methods are disclosed for starting a strip material in a substrate processing machine wherein the machine is not stopped and/or operators do not have to reach into the running machine to start the strip material. Exemplary systems include a strip material guide apparatus including at least one guide arm and at least one gas stream generator configured to direct strip material from the guide arm into a substrate processing machine to join the strip material with one or more running substrates. The gas stream generator is operable to cause a leading end of a strip material dispensed from the guide arm to be conveyed via a gas stream toward the running substrates, such that the leading end of the strip material becomes engaged by the substrate processing machine and the strip material joins with the running substrate.

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(52) **U.S. Cl.**  
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**19 Claims, 29 Drawing Sheets**

