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Huffman et al.

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(54) **EXTRACTION WITH TEMPORARY SUCTION INTERRUPT**

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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 287 days.

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(57) **ABSTRACT**

A method of cleaning a surface comprising applying cleaning solution to a surface, applying suction to the surface to remove the applied cleaning solution from surface, and selectively interrupting the suction to the surface for a selected time to increase dwell time of the cleaning solution on the surface. In one embodiment, the suction is interrupted when a moveable duct door fluidly and selectively opens and closes a suction leak hole within the working air conduit. In another embodiment, the suction is interrupted when an actuator selectively moves the duct door between the first and second positions within the working air conduit to restrict the working air flow in the working air conduit. The suction reduction selectively increases the cleaning solution dwell time.

19 Claims, 9 Drawing Sheets

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CPC . **B08B 5/04** (2013.01); **A47L 11/34** (2013.01);
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None
See application file for complete search history.

