

Paper No. \_\_\_\_\_  
Filed: October 11, 2017

UNITED STATES PATENT AND TRADEMARK OFFICE

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BEFORE THE PATENT TRIAL AND APPEAL BOARD

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SAMSUNG ELECTRONICS COMPANY, LTD.

Petitioner

v.

DANIEL L. FLAMM,

Patent Owner

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Case IPR2016-01512

Patent No. RE 40,264 E

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**PETITIONER'S DEMONSTRATIVE EXHIBITS**

**Demonstratives of Petitioner Samsung Electronics Co., Ltd.**

***Inter Partes* Review of  
U.S. Patent No. RE 40,264 E**

**IPR2016-01512**

**Oral Hearing: October 12, 2017**

## Instituted Grounds

- Ground 1: Claims 27, 32, 37, and 40 are unpatentable under 35 U.S.C. § 103(a) in view of Kadomura and Matsumura
- Ground 2: Claims 31 and 50 are unpatentable under 35 U.S.C. § 103(a) in view of Kadomura, Matsumura, and Narita
- Ground 3: Claims 27, 34, 37, 41, and 44 are unpatentable under 35 U.S.C. § 103(a) in view of Kadomura, Matsumura, and Wang I
- Ground 4: Claims 47 and 48 are unpatentable under 35 U.S.C. § 103(a) in view of Kadomura, Matsumura, Wang I, and Wang II

## Claim 27

27. A method of etching a substrate in the manufacture of a device, the method comprising:

heating a substrate holder to a first substrate holder temperature with a heat transfer device, the substrate holder having at least one temperature sensing unit,

placing a substrate having a film thereon on the substrate holder in a chamber; etching a first portion of the film at a selected first substrate temperature; and etching a second portion of the film at a selected second substrate temperature, the selected second substrate temperature being different from the selected first substrate temperature;

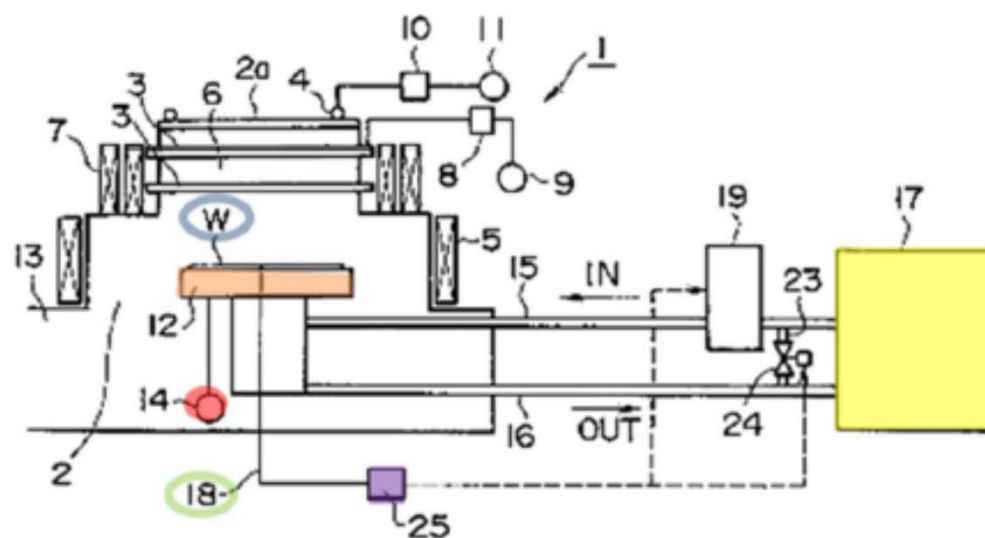
wherein substrate temperature is changed from the selected first substrate temperature to the selected second substrate temperature, using a measured substrate temperature, **within a preselected time interval for processing**, and at least the first substrate temperature or the second substrate temperature, in single or in combination, is above room temperature.

# Kadomura

*Kadomura* discloses controlling the temperature of specimen W by controlling the temperature of stage 12.

Petition at 11

FIG. 4



Ex. 1006 (Kadomura) at FIG. 4 (annotated); Petition at 11

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