US008936057B2

(12) **United States Patent**
Sampica et al.

(10) **Patent No.: US 8,936,057 B2**
(45) **Date of Patent: Jan. 20, 2015**

(54) **SUBSTRATE LAMINATION SYSTEM AND METHOD**

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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 1075 days.

(21) Appl. No.: **12/009,482**

(22) Filed: **Jan. 18, 2008**

(65) **Prior Publication Data**

US 2009/0120585 A1 May 14, 2009

Related U.S. Application Data

(63) Continuation-in-part of application No. 11/214,518, filed on Aug. 30, 2005, now Pat. No. 7,566,254, and a continuation-in-part of application No. 11/215,683, filed on Aug. 30, 2005, now Pat. No. 7,435,311, and a (Continued)

(51) **Int. Cl.**

B32B 37/00	(2006.01)
B32B 37/10	(2006.01)
B32B 38/18	(2006.01)

(52) **U.S. Cl.**

CPC ***B32B 37/003*** (2013.01); ***B32B 37/0046*** (2013.01); ***B32B 37/10*** (2013.01); ***B32B 37/1009*** (2013.01); *B32B 38/1841* (2013.01); *B32B 2457/202* (2013.01)

USPC **156/382**; 156/104; 156/106; 156/285; 156/286

(58) **Field of Classification Search**

CPC .. B32B 37/12; B32B 37/003; B32B 2309/68; B32B 37/1009; B32B 37/1018; B32B 37/00; B32B 38/1833; H01L 21/67126; G02F 1/1303; B29C 2043/3233; B29C 2043/3647; B29C 2791/006; B29C 43/56

USPC 156/104, 106, 285, 286, 382

See application file for complete search history.

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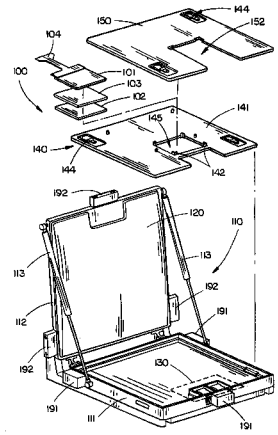
(57) **ABSTRACT**

The present disclosure is directed to a substrate lamination system and method.

A substrate lamination apparatus may comprise: (a) a vacuum chamber; (b) a flexible membrane; and (c) a substrate support. A system for laminating substrates may comprise: (a) a vacuum chamber; (b) a flexible membrane; (c) a substrate support; (d) a vacuum pump; (e) a compressor; and (f) a control unit, wherein the control unit is configured to carry out the steps: (i) evacuating the vacuum chamber; and (ii) applying pressure to at least one of a first substrate and a second substrate.

33 Claims, 18 Drawing Sheets