(12) UK Patent Application (19) GB (11) 2 405 534 (13) A

(43) Date of Printing by UK Office

02.03.2005

(21) Application No:

0427010.4

(22) Date of Filing:

19.06.2003

(30) Priority Data:

(31) 10175131

(32) 19.06.2002 (33) US

(31) 10394814

(32) 21.03.2003

(86) International Application Data: PCT/US2003/019483 En 19.06.2003

(87) International Publication Data:

WO2004/000500 En 31.12.2003

(71) Applicant(s):

Speedline Technologies Inc (Incorporated in USA - Delaware) 16 Forge Park, Franklin, MA 02038, **United States of America**

(72) Inventor(s):

Gerald Pham-Van-Diep John E Morini

(continued on next page)

- (51) INT CL7: B23K 37/00 1/14 37/04
- (52) UK CL (Edition X): H1R RAA2 RAH R10

(56) Documents Cited by ISA:

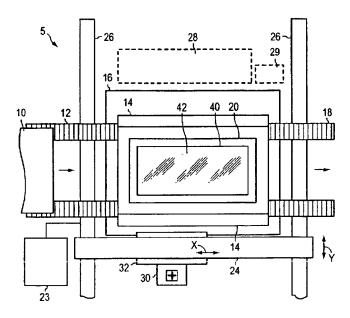
US 6131793 A US 6264187 A US 5667128 A US 5320271 A US 4982245 A US 4846390 A US 4807794 A US 4759488 A

(58) Field of Search by ISA:

Other: U.S.: 228/180.1,180.22,212,4.1,5.5,6.2,47.1,49.5

Electronic data base consulted Where practicable, search terms used

- (54) Abstract Title: Method and apparatus for supporting a substrate
- (57) An apparatus for performing operations on at least one surface of an electronic substrate (10) having a first surface and a second surface includes a frame, a transportation system that moves the substrate (10) through the apparatus, a substrate support system, coupled to the frame, having a non-rigid portion that contacts and supports the substrate (10) during an operation on the substrate (10), wherein the non-rigid portion allows flexure of the substrate (10) before and during the performance of an operation on the substrate (10), and a device coupled to the frame that performs an operation on a surface of the substrate (10).



GB 2405534 A continuation

(74) Agent and/or Address for Service: Boult Wade Tennant Verulam Gardens, 70 Gray's Inn Road, LONDON, WC1X 8BT, United Kingdom