US 20040098648A1

(19) United States

(12) Patent Application Publication

(10) Pub. No.: US 2004/0098648 A1

(43) Pub. Date: May 20, 2004

Sunter et al.

(54) **BOUNDARY SCAN WITH STROBED PAD DRIVER ENABLE**

(76) Inventors: **Stephen K. Sunter**, Nepean (CA); **Pierre Gauthier**, Gatineau (CA); **Benoit Nadeau-Dostie**, Gatineau (CA)

Correspondence Address:
LOGICVISION (CANADA), INC.
1525 CARLING AVENUE, SUITE 404
OTTAWA, ON K1Z 8R9 (CA)

(21) Appl. No.: **10/701,479**

(22) Filed: **Nov. 6, 2003**

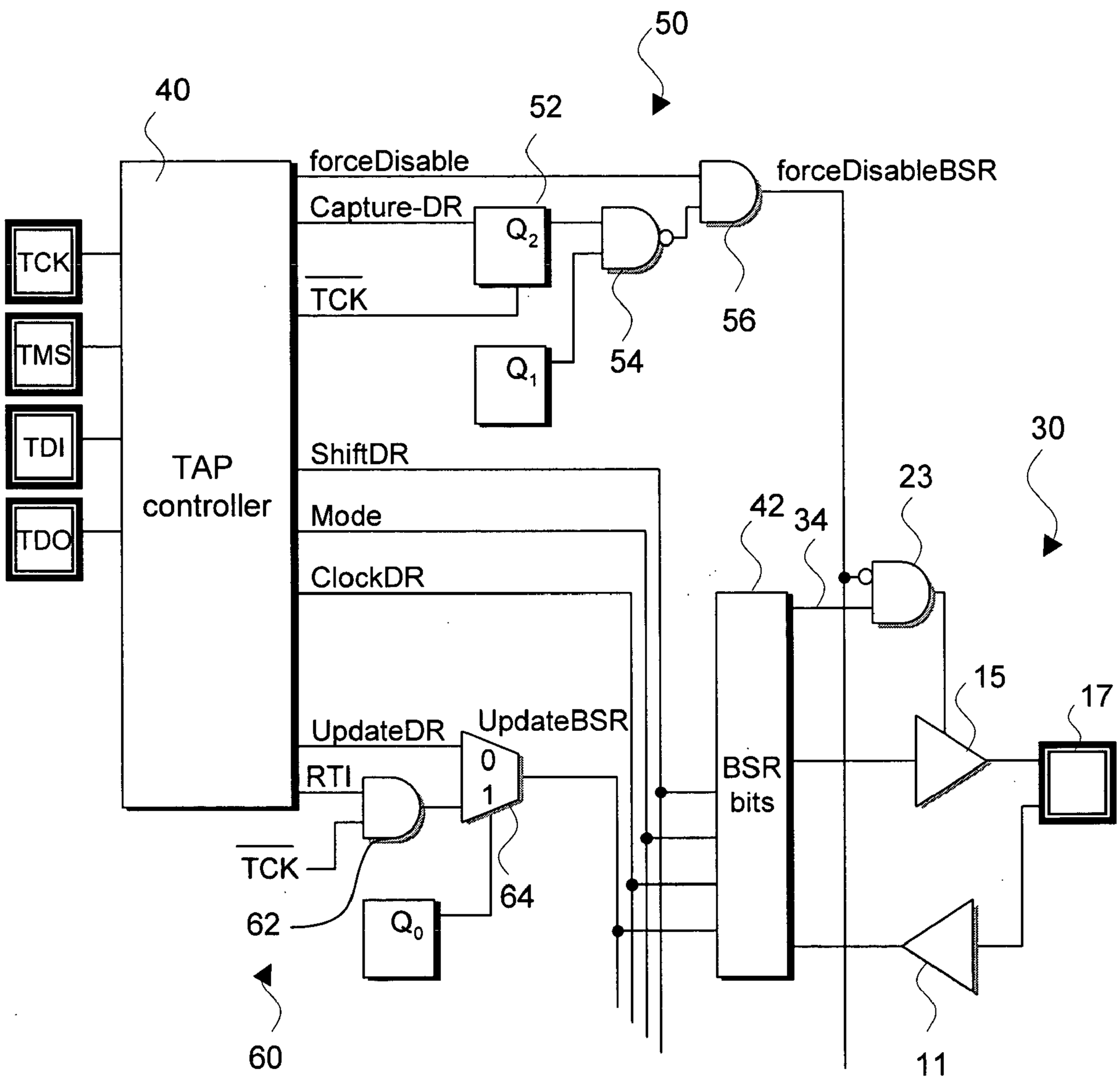
Related U.S. Application Data

(60) Provisional application No. 60/425,994, filed on Nov. 14, 2002.

Publication Classification

(51) **Int. Cl.**[7] **G01R 31/28**

(52) **U.S. Cl.** **714/727**

(57) **ABSTRACT**

A circuit and a method are provided for testing the enable function of Boundary Scan Register bits that control the driver of unconnected I/O pins of an 1149.1-compliant IC during the IC's reduced pin-count access manufacturing test, and to test the connections to these pins during the test of a circuit board containing the IC, without causing excessive current if a pin is inadvertently short circuited.