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— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

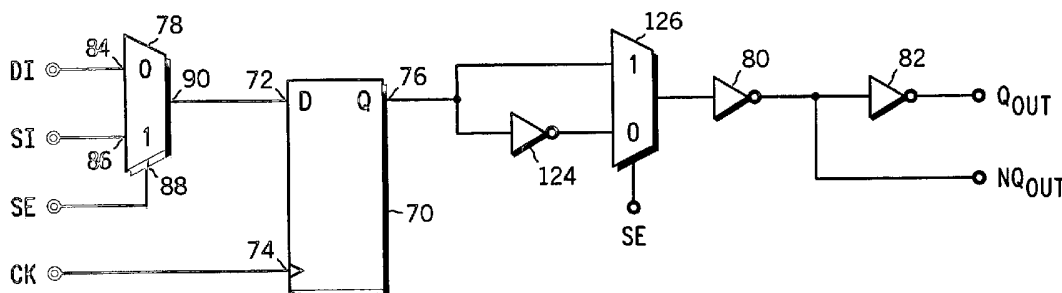
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND DEVICE FOR DETECTING FAULTS ON INTEGRATED CIRCUITS



(57) Abstract: A scan-cell for use in a scan device of the type which is utilized to test integrated circuits comprises a first multiplexer (78); a switching device (70), and a second multiplexer (126). The first multiplexer provides a data signal on the output thereof when a control signal is in a first state and provides a test signal at the output thereof when the control signal is in a second state. The switching device is coupled to the output of the first multiplexer and captures the output. The second multiplexer has an input coupled to the output of the switching device and transmits the output when the control signal is in the first state. The second multiplexer transmits an inverted form of the output when the control signal is in the second state.



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## INTERNATIONAL SEARCH REPORT

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According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 923 676 A (NADEAU-DOSTIE BENOIT ET AL) 13 July 1999 (1999-07-13) abstract; figures 2-5 column 5, line 19 -column 8, line 27 -----	1-20
A	US 5 617 428 A (ANDOH YASUHIRO) 1 April 1997 (1997-04-01) abstract; figures 5,8 -----	1-20

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5923676	A	13-07-1999 NONE	
US 5617428	A	01-04-1997 JP JP	2737695 B2 08-04-1998 8313597 A 29-11-1996