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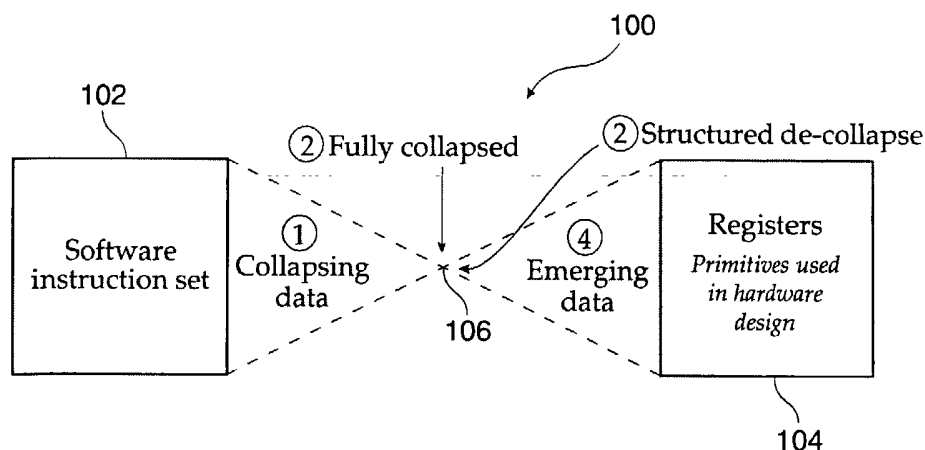
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS FOR TRANSMITTING DATA ACROSS QUANTUM INTERFACES AND QUANTUM GATES USING SAME



(57) Abstract: Quantum gaps exist between an origin and a destination that heretofore have prevented reliably utilizing the advantages of quantum computing. To predict the outcome of instructions with precision, the input data, preferably a qubit, is collapsed to a point value (100) within the quantum gap based on a software instruction (102). After collapse the input data is restructured at the destination (104), wherein dynamics of restructuring are governed by a plurality of gap factors as follows: computational self-awareness; computational decision logic; computational processing logic; computational and network protocol and logic exchange; computational and network components, logic and processes; provides the basis for excitability of the Gap junction and its ability to transmit electronic and optical impulses, integrates them properly, and depends on feedback loop logic; computational and network component and system interoperability; and embodiment substrate and network computational physical topology.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/25173

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 15/80

US CL : 359/107; 712/1;

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)

U.S. : 359/107; 712/1;

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 practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	relevant to claim No.
Y --- A	GOTTESMAN et al. quantum teleporation is a Universal Computational Primitive 2 August 1999, pages 1-6	1-8 ----- 9-35
Y --- A	ZHOU et al. Methodology for Quantum Logic Gate Construction 02 August 2000, pages 1-17	1-8 ----- 9-35
Y --- A	WO 99/53410 (GOSSETT) 21 October 1999, (21.10.1999) pages 15-20	1-8 ----- 9-35
A	US 5,768,297A (SHOR) 16 June 1998 (16.06.1998) see entire document	1-35
A	US 6,301,029B1 (AZUMA) 09 October 2001 (09.10.2001) Figures 9-26	1-35



Further documents are listed in the continuation of Box C.



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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

PCT/US03/25173

Continuation of B. FIELDS SEARCHED Item 3:

EAST, Google,

search terms: quantum gate or switc or computing