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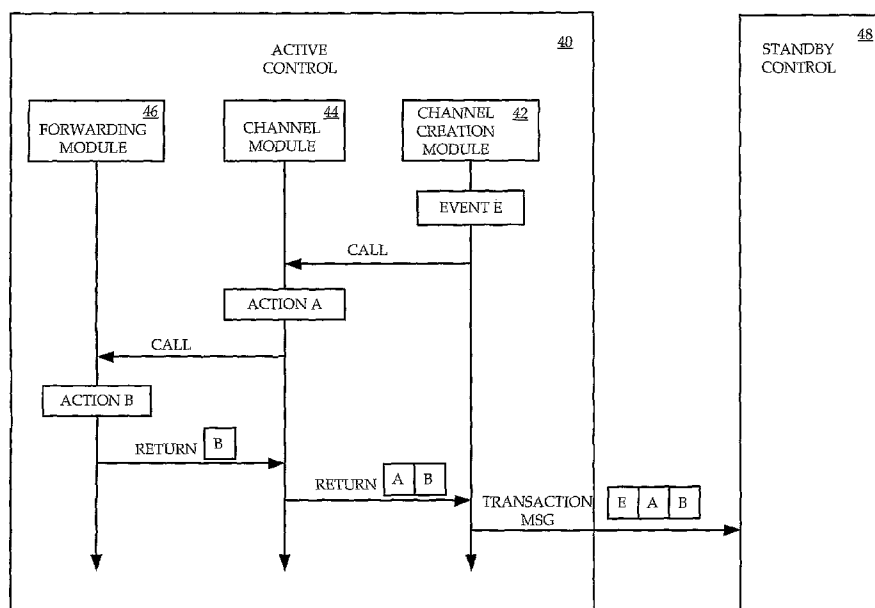
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(54) Title: STATE TRANSACTION BUNDLING FOR IMPROVED REDUNDANCY



(57) Abstract: A method is provided for simplifying maintenance of synchronicity between an active control system and a standby control system. As interdependent software modules on the active control system update stored state information in response to triggering events and actions, the transaction messages for dependent software modules are bundled together and sent to the standby control system as a single message. This avoids the problems that can arise when a switchover occurs when only some of the transactions messages from interdependent software modules have been transmitted before failure of the active control system.

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A. CLASSIFICATION OF SUBJECT MATTER
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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)
 G06F H04L H04Q

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/073828 A1 (BRONSTEIN VLADIMIR [US]) 15 April 2004 (2004-04-15) abstract paragraphs [0011], [1242], [0044] - [0046], [0048], [0050], [0053] - [0061], [0069], [0070], [0072], [0076], [0077], [0098]; figures 1-11	1-9
X	US 2004/153624 A1 (ZHOU BILL J [US] ET AL) 5 August 2004 (2004-08-05) abstract paragraphs [0020], [0032], [0036], [0040], [0042] - [0047]; claims 1,5; figures 3-6	1-9
X	US 2003/046604 A1 (LAU CHUN-HUNG [US] ET AL) 6 March 2003 (2003-03-06) abstract paragraphs [0027], [0029]; figures 1,2	1,4,7



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See patent family 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 2004073828	A1	15-04-2004	NONE	
US 2004153624	A1	05-08-2004	NONE	
US 2003046604	A1	06-03-2003	NONE	