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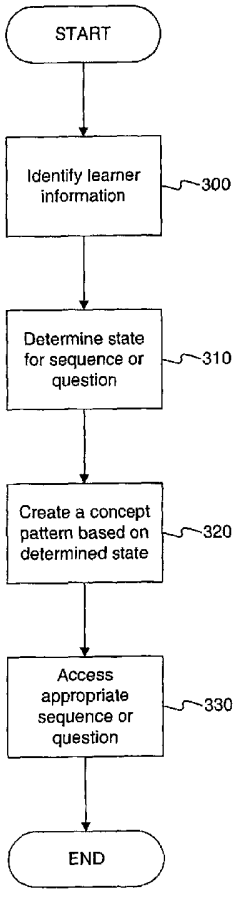
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[Continued on next page]

(54) Title: COMPUTER-AIDED EDUCATION SYSTEMS AND METHODS



(57) Abstract: Computer-aided education systems and methods provide a learner with a pedagogically appropriate interaction, including determining learner information (300). A state for the interaction is determined based on the determined learner information (310). A concept pattern is created based on the determined state (320). The appropriate interaction is then accessed based on the concept pattern and the determined state (330).

WO 2004/017181 A3

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/26217

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06F 17/00, 15/00; G09B 3/00
US CL : 706/45, 60, 62, 927, 11; 434/350

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. : 706/45, 60, 62, 927, 11; 434/350

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

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
IEEE Online, ACM Online

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A,E	US 6,611,822 B1 (BEAMS et al.) 26 August 2003 (26.08.2003), see entire document, especially columns 28 and 29.	1-12
A,P	US 6,535,861 B1 (O'CONNOR et al.) 18 March 2003 (18.03.2003), see entire document, especially column 28.	1-12
A,P	US 6,542,880 B2 (ROSENFELD et al.) 01 April 2003 (01.04.2003), see entire document.	1-12
A,T	US RE38,432 E (FAI et al.) 24 February 2004 (24.02.2004), see entire document.	1-12
X,P	US 6,606,479 B2 (COOK et al.) 12 August 2003 (12.08.2003), see entire document, especially column 4, line 44 through column 5, line 45.	1,10
X	US 6,427,063 B1 (COOK et al.) 30 July 2002 (30.07.2002), see entire document, especially column 4, line 33 through column 6, line 15.	1,10
X	US 6,201,948 B1 (COOK et al.) 13 March 2001 (13.03.2001), see entire document, especially column 4, line 38 through column 5, line 62.	1,10
X	US 5,727,950 A (COOK et al.) 17 March 1998 (17.03.1998), see entire document, especially column 5, lines 12-63.	1,10

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