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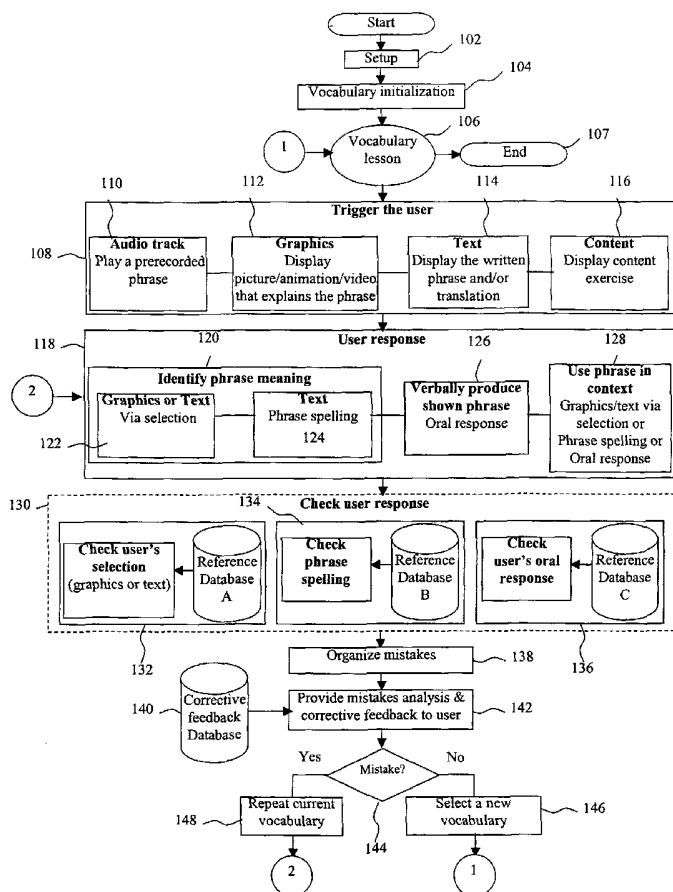
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- (71) Applicant (for all designated States except US): DIGIS-PEECH MARKETING LTD. [CY/CY]; 15 Costa Paparigopoulou Street, Charme Chabers Limassol, Cyprus (CY).
- (21) International Application Number: PCT/US01/49109
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- (72) Inventor; and
- (25) Filing Language: English
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- (74) Agents: HALL, David, A. et al.; Heller Ehrman White & McAuliffe LLP, 4350 La Jolla Village Drive, 6th Floor, San Diego, CA 92122-1246 (US).
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application: 60/256,537 (CIP)
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[Continued on next page]

(54) Title: CONTEXT-RESPONSIVE SPOKEN LANGUAGE INSTRUCTION



(57) Abstract: A language skills training system supports interactive dialogue in which a spoken user input is recorded into a processing device and then the spoken user input is analyzed for multiple phonetic criteria, wherein at least one of the phonetic criteria comprises intonation, stress, or rhythm. The system includes multiple context-based practice exercises and multiple problem-based exercises, such that each problem-based practice exercise is interactively linked to at least one of the context-based practice exercises, and relates to skills being practiced in the context-based practice exercises to which it is linked. Each of the context-based practice exercise tests user skills that are being taught in the linked problem-based exercises. If user responses indicate that the user would benefit from extra practice in particular types of language skills, then the user will be routed to one or more of the practice problem sets that involve the language skill in which the user is deficient. Upon successful completion of the problem sets, the user is returned to the exercise sequence.

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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, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

**(84) Designated States (regional):** 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, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) 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, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, 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, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

— *of inventorship (Rule 4.17(iv)) for US only*

**Published:**

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**(88) Date of publication of the international search report:**

23 January 2003

*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.*

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 01/49109

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: G09B 7/04, G09B 5/06, G09B 19/06

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)

IPC7: G09B

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)

EPO-INTERNAL, WPI DATA, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 9913446 A1 (IDIOMA LTD.), 18 March 1999 (18.03.99), page 6, line 5 - page 7, line 28, figure 2, abstract	1-3, 22-27
Y	--	10-21
X	US 5697789 A (J.E. SAMETH ET AL), 16 December 1997 (16.12.97), column 7, line 35 - line 41; column 11, line 35 - line 36, claims 1-2, 4, 15, 17, abstract	4-9
Y	--	17

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"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

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

22 July 2002

Date of mailing of the international search report

09. 08. 2002

Name and mailing address of the International Searching Authority



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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 01/49109

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 0060560 A1 (O'CONNOR, M.K.), 12 October 2000 (12.10.00), page 34, line 30 - page 35, line 7, abstract  --	10-21
X	US 5387104 A (P.R. CORDER), 7 February 1995 (07.02.95), figures 1,7c, claims 1-6, abstract  --	1-3,22-23
X	US 6134529 A (M. ROTHENBERG), 17 October 2000 (17.10.00), column 9, line 12 - line 21; column 11, line 55 - line 56, claims 1,13, abstract  --	22-23
A	DE 4408459 A1 (SCHNEIDER, A.), 14 Sept 1995 (14.09.95), claim 1  --	1-3,24-27
A	WO 0030059 A1 (METALEARNING SYSTEMS, INC.), 25 May 2000 (25.05.00), page 4, line 25 - page 5, line 4; page 9, line 8 - line 16, figures 1,4-8  -- -----	4-8,15,16,18

INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US 01/49109

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ~~Claims 1-3, 24-27 relate to an interactive instruction system and method therefore with linked exercises.~~
2. ~~Claims 4-8 relate to a presentation system.~~
3. ~~Claim 9 relates to a instruction system with a dictionary application program returning one of multiple definitions of a word in a certain context.~~
4. ~~Claims 10-21 relate to a electronic book.~~
5. ~~Claims 22-23 relates to a system that supports interactive dialogue.~~

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US 01/49109

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
WO	9913446	A1	18/03/99	AU	8995798 A	29/03/99
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US	5697789	A	16/12/97	EP	0793839 A	10/09/97
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