

Diego Gonzalez

Title: Method for adaptive training of short term memory and auditory/visual discrimination within a computer game

Abstract: Source: US2002034717A A method for training of auditory and graphical discrimination in humans, and a human's short term memory, is provided within an animated game environment. The method provides a number of stimulus sets, each stimulus set having similar sounding **phonemes** associated with graphemes. Upon initiation of a trial, a grid of tiles is presented to a subject. The subject selects the tiles, one at a time. As the tiles are selected, an associated **phoneme** is presented to the subject. The subject clears away tiles by pairing them with identical tiles. When all the tiles in a trial are cleared, the subject is either promoted or demoted in skill level. Promotion/demotion varies the number of tiles presented, the **phonemes** used within each trial, and the amount of **audio** processing that is applied to the **phonemes**.

Classifications:

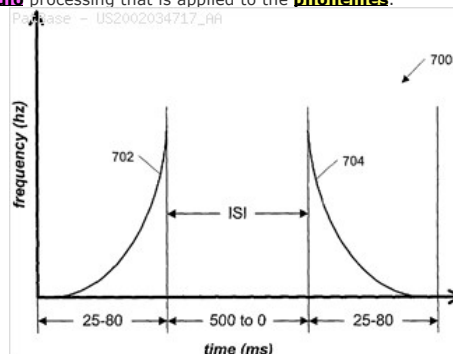
International (IPC 8-9): G09B19/04 G09B21/00 G09B5/04 G09B5/06 G09B5/14 (Advanced/Invention)

International (IPC 1-7): G06K9/00 G09B19/00 G09B19/04 G09B21/00 G09B23/00 G09B5/00 G09B5/06 G09B5/14 G09B9/00

CPC: G09B5/04 G09B5/06 G09B5/065 G09B5/14 G09B19/04 G09B21/00 G09B21/009 G06Q20/204

European: G06Q20/204 G09B19/04 G09B21/00 G09B21/00C G09B5/04 G09B5/06 G09B5/06C G09B5/14

US: 434/116 434/118 434/156 434/167 434/169 434/169P 434/185 434/236 434/307.00R 434/307R 434/362 463/17 704/205 704/209 704/254 704/260 704/270 704/503 704/504 705/17 706/16 715/716



Family:

Publication number	Publication date	Application number	Application date
AU199918239 A1	19990705	AU19990018239	19981214
AU753429 B2	20021017	AU19990018239	19981214
CA2281644 AA	19990817	CA19982281644	19981214
DE69815507 D1	20030717	DE19986015507	19981214
DE69815507 T2	20040422	DE19986015507T	19981214
EP0963583 A1	19991215	EP19980963159	19981214
EP0963583 B1	20030611	EP19980963159	19981214
US2002034717 AA	20020321	US20010961554	20010924
US5927988 A	19990727	US19970982189	19971217
US6190173 BA	20010220	US19980089149	19980602
US6210166 BA	20010403	US19980098199	19980616
US6224384 BA	20010501	US20000604443	20000627
US6290504 BA	20010918	US19990415885	19991008
US6328569 BA	20011211	US19980105916	19980626
US6331115 BA	20011218	US19980106939	19980630
US6334776 BA	20020101	US20000603982	20000627
US6334777 BA	20020101	US20000603819	20000624
US6358056 BA	20020319	US20000598575	20000621
US6364666 BA	20020402	US19980106947	19980630
US6599129 BB	20030729	US20010961554	20010924
WO9931640 A1	19990624	WO1998US26528	19981214

Priority:

US19970982189 19971217	US19980089149 19980602	US19980098199 19980616
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US19980106939 19980630		

Probable Assignee: SCIENTIFIC LEARNING CORP

Assignee(s): (std): SCIENT LEARN AND ICIRC NG CORP ; TALLAL PAULA ; SCIENT LEARNING CORP ; SCIENTIFIC LEARNING CORP

Assignee(s): SCIENTIFIC LEARNING CORP BERKELEY ; COMERICA BANK ; JENKINS WILLIAM M ; LUMOS LABS INC ; MERZENICH MICHAEL M ; MILLER STEVEN L ; MILLER STEVEN LAMONT ; PETERSON BRET E ; WPV INC ; SCIENTIFIC LEARNING CORPORATION 1995 UNIV ; SCIENTIFIC LEARNING 1995 UNIV CORP ; SCIENTIFIC LEARNING SUITE 400 1995 UNIV CORP ; SCIENTIFIC LEARNING CORPORATION

Inventor(s): (std): BENITZ ANGELA JANE ; BRET E PETERSON ; BUDRA ELIZABETH H ; JENKINS M ; JENKINS WILLIAM M ; MERZENICH M ; MERZENICH MICHAEL M ; MICHAEL M MERZENICH ; MILLER L ; MILLER STEVEN L ; MILLER STEVEN LAMONT ; MONTGOMERY JOHN J ; PAULA TALLAL ; PETERSON BRET E ; PETERSON E ; STEVEN L MILLER ; TALLAL PAULA ; WILLIAM M JENKINS

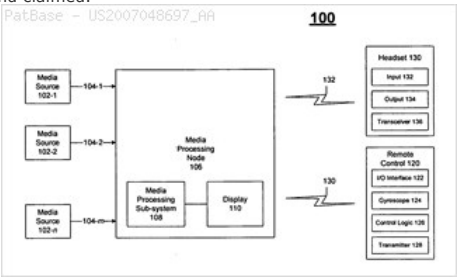
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Title: INTERACTIVE LANGUAGE LEARNING TECHNIQUES

Abstract: Source: US2007048697A Interactive language learning techniques may be described. An apparatus may comprise a remote control receiver to receive user commands, a receiver to receive voice information, and a virtual language tutor module. The virtual language tutor module may have a user interface module and a speech evaluation engine. The user interface module may respond to user commands to control the virtual language tutor module. The speech evaluation engine may analyze a speech characteristic of the voice information and provide feedback information for the speech characteristic. Other embodiments are described and claimed.

Classifications:

International (IPC 8-9): G06F15/16 G06F15/18 G06F17/00 G06F19/00 G09B19/00 G09B19/04 G09B19/06 G09B5/00 G09B5/04 G10L15/00 G10L15/06 (Advanced/Invention); G06F15/16 G06F19/00 G09B19/04 G09B19/06 G09B5/00 (Core/Invention)
CPC: G09B19/04 G09B5/04 G09B19/06 G10L15/10
European: G09B19/04 G09B19/06 G09B5/04 G10L15/10
US: 434/156 434/156P 434/157 434/178 434/179 434/185 434/307R 704/231 704/231P 704/235 704/243 704/243S 704/251 704/275 704/E15.001 704/E15.001S 704/E15.007 704/E15.007S 709/203



Family:

Publication number	Publication date	Application number	Application date
US2007048697 AA	20070301	US20060583315	20061019
US2008280269 AA	20081113	US20060577623	20060428
US2008280269 AA	20081113	US20050577623	20050527
US2009204398 AA	20090813	US20050581753	20050624
US7873522 BB	20110118	US20050581753	20050624
WO06125347 A1	20061130	WO2005CN00746	20050527
WO06136061 A1	20061228	WO2005CN00922	20050624

Priority:

WO2005CN00746 20050527 WO2005CN00922 20050624

Probable Assignee: INTEL CORP

Assignee(s): (std): CHEN LUHAI ; DU PING ROBERT ; DU ROBERT ; INTEL CORP ; LIANG KAN ; SONG LINGFEI ; LI NAN N ; YEO BOON LOCK ; YEUNG MINERVA

Inventor(s): (std): DU PING ROBERT ; DU ROBERT ; LI NAN N ; LIANG KAN ; SONG LINGFEI ; YEO BOON LOCK ; YEUNG MINERVA ; CHEN LUHAI

Inventor(s): DU PING

Agent(s): KACVINSKY LLC, C/O INTELLEVATE; KACVINSKY LLC C O INTELLEVATE; BLAKELY SOKOLOFF TAYLOR AND ZAFMAN LLP; INTEL/BSTZ,BLAKELY SOKOLOFF TAYLOR AND ZAFMAN LLP; INTEL BSTZ BLAKELY SOKOLOFF TAYLOR AND ZAFMAN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: LANGUAGE PHONEME PRACTICE ENGINE

Abstract: Source: US2013130212A Disclosed herein, in certain embodiments, are computer-based **language phoneme** practice systems, products, programs, and methods comprising a digital processing device and a computer program that creates a **language phoneme** practice engine, wherein said engine comprises: a taxonomy of **phonemes** of a target **language**; a software module for providing an interface for practicing each said **phoneme** in said taxonomy, wherein said interface allows a **learner** to optionally access a visual representation and an auditory representation of each said **phoneme** in said taxonomy; and a software module for providing an interface for practicing each said **phoneme** in the context of the beginning, middle, and end of words of said target **language**, wherein said interface allows a **learner** to optionally access a visual and an auditory representation of each said word and each said **phoneme** in each said word.

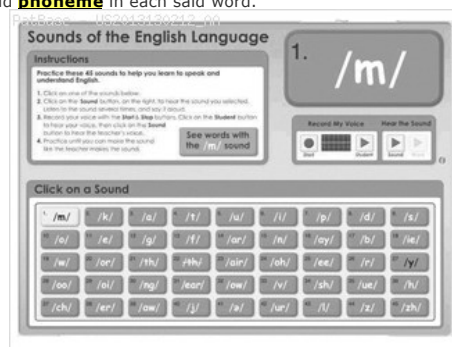
Classifications:

International (IPC 8-9): G06F17/28 G06F9/44 G09B19/04 G09B19/06

G09B5/06 (Advanced/Invention)

CPC: G09B19/04 G09B19/06

US: 434/157 434/167



Family:

Publication number	Publication date	Application number	Application date
CN103136971 A	20130605	CN201210276527	20120802
US2013130212 AA	20130523	US20110301668	20111121
US9058751 BB	20150616	US20110301668	20111121
WO13078147 A1	20130530	WO201211565933	20121119

Priority:

US20110301668 20111121 CN201210276527 20120802

Probable Assignee: AGE OF LEARNING INC

Assignee(s): (std): CHEN JERRY CHIAWEI : DOHRING DOUG : YOST STEPHANIE : HENDRY DAVID : AGE OF LEARNING INC

Assignee(s): BANK OF AMERICA NA ADMINISTRATIVE AGENT AS

Inventor(s): (std): CHEN JERRY CHIAWEI ; DOHRING DOUG ; HENDRY DAVID ; YOST STEPHANIE

Agent(s): WILSON SONSINI GOODRICH AND ROSATI; HOSTETLER MICHAEL J

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: COMPUTER-BASED LANGUAGE IMMERSION TEACHING FOR YOUNG LEARNERS

Abstract: Source: US2013130211A Disclosed herein, in certain embodiments, are computer-based language immersion teaching systems, products, programs, and methods for learners aged about 3 to about 10 years comprising a digital processing device and a computer program that creates a language immersion teaching environment, wherein said environment comprises a plurality of learning activities associated with a target language, and wherein said plurality of activities comprises: at least one learning activity based on a taxonomy of phonemes; at least one learning activity selected from: songs, chants, books, poems, puzzles, games, art activities, and printable activities; voiceover audio in said target language; and a software module for recording said learner's pronunciation and comparing it to one or more model pronunciations.

Classifications:

International (IPC 8-9): G06F17/28 G06Q50/20 G09B19/04 G09B19/06

G09B5/06 (Advanced/Invention)

CPC: G09B5/06 G09B19/06 G06Q50/20

US: 434/156 434/157 434/167



Family:

Publication number	Publication date	Application number	Application date
CN103136972 A	20130605	CN201210276529	20120802
US2013130211 AA	20130523	US20110301660	20111121
US2014295386 AA	20141002	US20140302382	20140611
US8784108 BB	20140722	US20110301660	20111121
WO13078144 A2	20130530	WO2012US65917	20121119
WO13078144 A3	20130815	WO2012US65917	20121119

Priority:

US20110301660 20111121 CN201210276529 20120802 US20140302382 20140611

Probable Assignee: AGE OF LEARNING INC

Assignee(s): (std): CHEN JERRY CHIAWEI ; DOHRING DOUG ; YOST STEPHANIE ; HENDRY DAVID ; AGE OF LEARNING INC

Assignee(s): BANK OF AMERICA NA ADMINISTRATIVE AGENT AS

Inventor(s): (std): CHEN JERRY CHIAWEI ; DAVID HENDRY ; DOHRING DOUG ; DOUG DOHRING ; HENDRY DAVID ; JERRY CHIAWEI CHEN ; STEPHANIE YOST ; YOST STEPHANIE

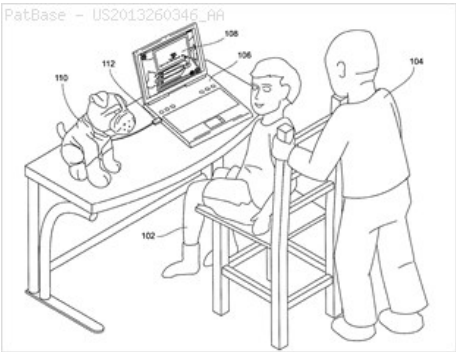
Agent(s): WILSON SONSINI GOODRICH AND ROSATI; HOSTETLER MICHAEL J

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: INTERACTIVE **LEARNING** METHOD, APPARATUS, AND SYSTEM

Abstract: Source: US2013260346A A computer-implemented method of interactive **learning**, a system and a computer-readable medium therefor are disclosed. The computer include a processor, a memory, a storage device, a display device for displaying information to a user, an **audio** device for communicating **audio** information to the user, and an input device for receiving information and commands from the user. The computer provides an interactive **learning** environment. The method includes presenting a structured curriculum to a user via the display device. The structured curriculum includes a linear progression of educational topics divided into a plurality of levels. Each of the plurality of levels represents a specific topic of educational content. Each of the plurality of levels is further divided into the plurality of lessons. The method also includes presenting a lesson to the user via the display device in a current mode selected from a plurality of modes. Each of the plurality of lessons represents a sub portion of the specific topic of the educational content and each of the plurality of modes includes specific challenges to accomplish. The method further includes receiving **feedback** from the user via the input device in an interactive manner until a challenge associated with the current mode is accomplished and advancing to a subsequent mode when the challenge of the current mode is accomplished by the user.

Classifications:
International (IPC 8-9): G09B19/00 G09B5/00 G09B5/06 G09B7/04 (Advanced/Invention)
CPC: G09B19/00 G09B5/00 G09B5/06 G09B7/02
European: G09B5/00 G09B5/06 G09B7/02
US: 434/156



Family:

Publication number	Publication date	Application number	Application date
IN01827DN2013 A	20141024	IN2013DN01827	20130228
TW201209772 A	20120301	TW20100146989	20101230
US2013260346 AA	20131003	US20100817529	20101229
WO12023956 A1	20120223	WO2010US62441	20101229

Priority:
US20100375792P 20100820 US20100375795P 20100820 WO2010US62441 20101229
US20100817529 20101229

Probable Assignee: SMARTY ANTS INC
Assignee(s): (std): ANNUNZIATA EDWARD E ; CALLAHAN MARIA ; SMARTY ANTS INC ; SMARTYANTS INC ; WOOD MICHAEL ; WOOD MICHAEL C
Inventor(s): (std): ANNUNZIATA EDWARD E ; CALLAHAN MARIA ; WOOD MICHAEL ; WOOD MICHAEL C
Agent(s): CAPRIOTTI ROBERTO ET AL
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SYSTEMS AND METHODS FOR LANGUAGE LEARNING

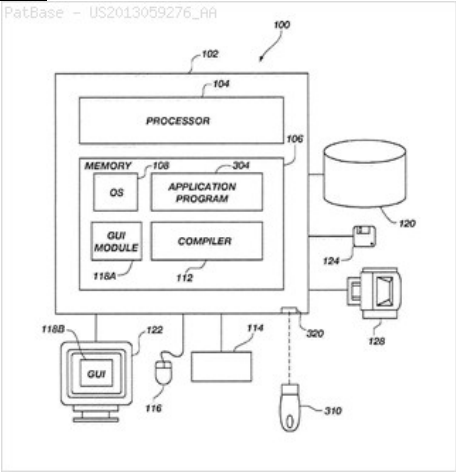
Abstract: Source: US2013059276A Exemplary embodiments are directed to language learning systems and methods. A method may include receiving an audio input including one or more phonemes. The method may also include generating an output including feedback information of a pronunciation of each phoneme of the one or more phonemes. Further, the method may include providing at least one graphical output associated with a proper pronunciation of a selected phoneme of the one or more phonemes.

Classifications:

International (IPC 8-9): G09B19/04 G09B19/06 G09B5/02 G09B5/06 G09B5/12 G10L G10L13/08 G10L15/00 G10L15/187 (Advanced/Invention); G10L15/00 (Core/Invention); G10L (Subclass/Invention)

CPC: G09B19/04 G09B5/065 G09B19/06

US: 434/167



Family:

Publication number	Publication date	Application number	Application date
AP201407537 A0	20140331	AP20140007537	20120831
AU2012301660 AA	20130307	AU20120301660	20120831
CA2847422 AA	20140228	CA20122847422	20120831
CN103890825 A	20140625	CN201280050938	20120831
CO6970563 A2	20140613	CO20140069696	20140401
DOP20140045 A	20140915	DO20140000045	20140303
EP2751801 A1	20140709	EP20120826939	20120831
EP2751801 A4	20150304	EP20120826939	20120831
IL231263 A0	20140430	IL20140231263	20140302
JP2014529771 T2	20141113	JP20140528662T	20120831
KR20140085440 A	20140707	KR20147008492	20120831
MX2014002537 A1	20141017	MX20140002537	20140228
PE19102014 A1	20141126	PE20140000298	20120831
US2013059276 AA	20130307	US20110224197	20110901
WO13033605 A1	20130307	WO2012US53458	20120831

Priority:

US20110224197 20110901 WO2012US53458 20120831

Probable Assignee: FONIX SPEECH INC

Assignee(s): (std): ALLEN MOLLIE ; BARTHOLOMEW SUSAN ; DAVIS LEO ; SPEECHFX INC ; SHEPHERD JOHN ; ZENG XINCHUAN ; SHEPHERD JOSEPH ; HALBOSTAD MARY ; ZENG XINCHUAN ; SPEECH FX INC

Assignee(s): FONIX SPEECH INC

Inventor(s): (std): ALLEN MOLLIE ; BARTHOLOMEW SUSAN ; DAVIS LEO ; HALBOSTAD MARY ; SHEPHERD JOHN ; SHEPHERD JOSEPH ; ZENG XINCHUAN ; ZENG XINCHUAN

Inventor(s): SUSAN BARTHOLOMEW ; XINCHUAN ZENG ; JOHN SHEPHERD ; JOSEPH SHEPHERD ; LEO DAVIS ; MARY HALBOSTAD ; MOLLIE ALLEN

Agent(s): BANSE AND STEGLICH; JOHANSON KEVIN K ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHOD AND APPARATUS FOR INTERACTIVE **LANGUAGE** INSTRUCTION

Abstract: Source: US2003028378A A method and apparatus for interactive **language** instruction is provided that displays text files for processing, provide key features and functions for interactive **learning**, displays facial animation, and provides a workspace for **language** building functions. The system includes a stored set of **language** rules as part of the text-to-speech sub-system, as well as another stored set of rules as applied to the process of **learning a language**. The method implemented by the system includes digitally converting text to audible speech, providing the audible speech to a user or student (with the aid of an animated image in selected circumstances), prompting the student to replicate the audible speech, comparing the student's replication with the audible speech provided by the system, and providing **feedback** and reinforcement to the student by, for example, selectively recording or playing back the audible speech and the student's replication.

Classifications:

International (IPC 8-9): G06F3/048 G06F3/16 G06Q50/00 G06T13/00 G09B15/00 G09B17/00 G09B19/04 G09B19/06 G09B5/04 G09B5/06 G09B5/14 G10L11/00 G10L13/00 G10L13/04 G10L15/00 G10L15/22 G10L15/28

G10L21/06 (Advanced/Invention);

G10L13/00 G10L15/06 (Advanced/Non-invention);

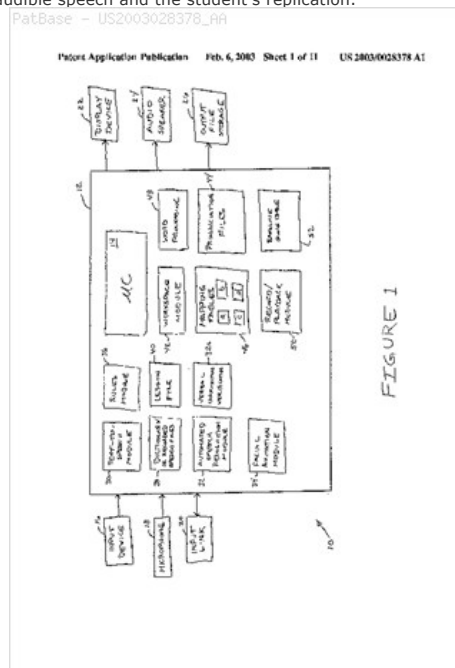
G10L11/00 (Core/Invention)

International (IPC 1-7): G06F17/60 G06F3/00 G06T13/00 G09B15/00 G09B19/04 G09B19/06 G09B5/04 G09B5/06 G09B5/14 G10L11/00 G10L13/00 G10L15/00 G10L21/06

CPC: G10L13/00 G09B19/06 G09B5/04 G09B19/04 G10L15/06

European: G09B19/04 G09B19/06 G09B5/04 G10L13/04U S10L15/06

US: 434/167 434/185 434/319 704/26 704/260 704/260P 704/270 704/8



Family:

Publication number	Publication date	Application number	Application date
CA2317359 AA	20010309	CA20002317359	20000905
CA2317359 C	20061107	CA20002317359	20000905
EP1083536 A2	20010314	EP20000307370	20000829
EP1083536 A3	20090826	EP20000307370	20000829
JP2001159865 A2	20010612	JP20000272404	20000908
US2003028378 AA	20030206	US19990392844	19990909
US7149690 BB	20061212	US19990392844	19990909

Priority:

US19990392844 19990909 CA20002317359 20000905

Probable Assignee: LUCENT TECHNOLOGIES INC

Assignee(s): (std): LUCENT TECHNOLOGIES INC

Assignee(s): LUCENT TECHNOL INC ; SHIH CHI LIN ; SURENDRAN ARUN CHANDRASEKARAN ; LI QI P ; MCNERNEY MICHELLE ; ZHONG JIALIN ; ZHOU QIRU ; CREDIT SUISSE AG ; ALCATEL LUCENT USA INC ; AUGUST KATHERINE G ; AUGUST KATHERINE GRACE ; BLACKWOOD NADINE ; C O LUCENT TECHNOLOGIES INC

Inventor(s): (std): AUGUST KATHERINE G ; AUGUST KATHERINE GRACE ; BLACKWOOD NADINE ; CHANDRASEKARAN SURENDRAN ARUN ; LI QI P ; MCNERNEY MICHELLE ; SHIH CHI LIN ; SURENDRAN ARUN CHANDRASEKARAN ; ZHONG JIALIN ; ZHOU QIRU

Agent(s): SARUP DAVID ALEXANDER

Designated states: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Title: AUTOMATED SYSTEM FOR TRAINING ORAL LANGUAGE PROFICIENCY

Abstract: The present invention is in the field of automated systems and methods for improving of oral language proficiency. As a result of increasing internationalization there is a growing demand from education and business community for people who speak foreign languages well. An intelligible pronunciation is regarded as important for e.g. successful inter- action and social acceptance. However, an important problem is that oral proficiency training requires so much time, feedback and practice, that very often it cannot be sufficiently provided in traditional language classes. Thereto an automated system is provided.

Classifications:
International (IPC 8-9): G09B5/04 (Advanced/Invention)
CPC: G09B5/04 G09B19/06

Family:

Publication number	Publication date	Application number	Application date
NL2008809 C	20131118	NL20122008809	20120514
WO13172707 A2	20131121	WO2013NL50356	20130514
WO13172707 A3	20140116	WO2013NL50356	20130514
WO13172707 A4	20140313	WO2013NL50356	20130514

Priority:

NL20122008809 20120514

Probable Assignee: STICHTING KATHOLIEKE UNIVERSTITEIT
Assignee(s): (std): STICHTING KATHOLIEKE UNIV ; STICHTING KATHOLIEKE UNIVERSTITEIT
Assignee(s): STICHTING KATHOLIEKE UNIVERSITEIT
Inventor(s): (std): CUCCHIARINI CATIA ; STRIK WILHELMUS ALBERTUS JOHANNES
Agent(s): VOGELS LEONARD JOHAN PAUL
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: AUTOMATED TEXT TO SPEECH VOICE DEVELOPMENT

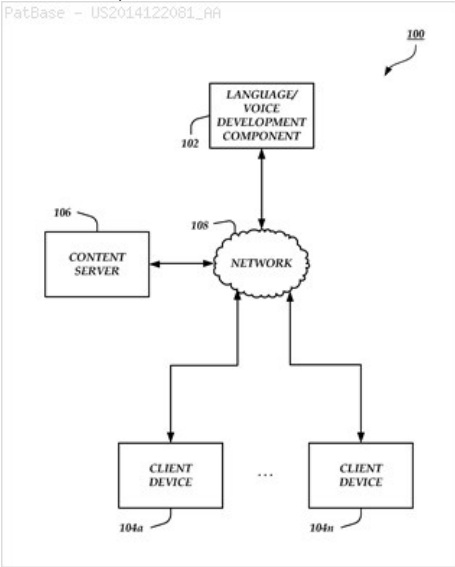
Abstract: Source: US2014122081A A group of users may be presented with text and a synthesized speech recording of the text. The users can listen to the synthesized speech recording and submit **feedback** regarding errors or other issues with the synthesized speech. A system of one or more computing devices can analyze the **feedback**, modify the voice or **language** rules, and recursively test the modifications. The modifications may be determined through the use of machine **learning** algorithms or other automated processes.

Classifications:

International (IPC 8-9): G10L13/00 (Advanced/Invention)

CPC: G10L13/033 G10L13/08

US: 704/260



Family:

Publication number	Publication date	Application number	Application date
PL401371 A1	20140428	PL20120401371	20121026
US2014122081 AA	20140501	US20120720925	20121219

Priority:

PL20120401371 20121026

Probable Assignee: IVONA SOFTWARE SP ZOO

Assignee(s): (std): IVONA SOFTWARE SP Z O O ; IVONA SOFTWARE SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA

Assignee(s): IVONA SOFTWARE SP ZOO

Inventor(s): (std): KASZCZUK MICHAL T ; OSOWSKI LUKASZ M

Title: DURABLE DIGITAL WRITING AND SKETCHING INSTRUMENT

Abstract: Source: US2007268278A A hand-holdable, durable digital writing and sketching device or assembly having rugged construction that houses an on-board camera with a view through an optical window of a writing surface brought in view by a user moving the device. The device is rugged, sealed, and is capable of withstanding dropping, water submersion, abrasive incursions, and resistance to chemical and fungal degradation. The optical window and optic channel to the camera is protected by a durable and replaceable light-transmitting shield that provides a sealed barrier to the environmental elements harmful to the functioning of the device. The writing and sketching device oscillates between a stowed and a deployed state. The deployed state includes the camera being in view the writing surface and the stowed state includes the camera being either masked from viewing the writing surface or aimed internally from viewing the writing surface. Other versions of the digital writing and sketching device include replaceable styli and pens that are removable and interchangeable with a sealed chamber in the device. The stylus point or pen ends are substantially in view of the on-board device camera. Signal transmissions communicated from the digital writing and sketching device convey pressures experienced by the inserted stylus or pens and are represented in proportion to a microprocessor based display that conveys changing field of view experienced by the on-board camera.

Classifications:

International (IPC 8-9): A45F5/00 B41J2/525 B41J5/30 B41M1/14 G01D15/00 G06F17/00 G06F17/24 G06F17/30 G06F3/00 G06F3/01 G06F3/03 G06F3/033 G06F3/0354 G06F3/039 G06F3/048 G06F3/12 G06K11/06 G06K9/00 G06K9/22 G06Q10/00 G06T1/00 G09B19/00 G09G5/00 G10L15/00 G10L15/04 G10L15/24 H04B1/713 H04B7/14 H04H6/88 H04J3/08 H04N1/32 H04N1/387 H04N1/40 H04N1/46 H04N1/60 H04N7/15 H04Q7/28 H04Q7/38 H04W H04W16/00 H04W4/00 H04W40/22 H04W72/02 H04W72/04 H04W72/12 H04W74/04 H04W84/18 H05K5/00 (Advanced/Invention); G06F3/033 G06K11/06 G09G5/00 H04W40/22 H04W72/00 H04W72/12 H04W84/18 (Advanced/Non-invention); G06F17/00 G06F3/033 G06F3/048 G06F3/12 G06K11/06 G06K9/00 G09B19/00 G09G5/00 G10L15/00 H04B7/14 H04W40/00 H04W72/00 H04W74/00 (Core/Invention); H04Q7/28 H04Q7/38 H04W40/02 H04W72/00 H04W84/18 (Core/Non-invention); G06F G06K G09G H04W (Subclass/Invention)

International (IPC 1-7): G06F17/00 G06F3/033 H04W72/02

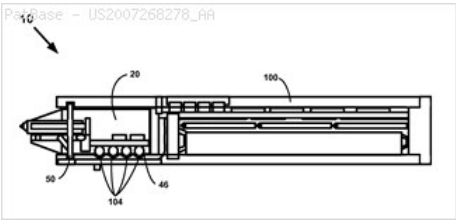
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European: G02B27/01C G06F17/24S G06F17/30E5S G06F17/30L G06F3/01B G06F3/01G G06F3/0354N G06F3/039 G06F3/03H G06F3/03H3 G06F3/03H6 G06F3/042C G06F3/0481E G06F3/0488G G06K1/12B G06Q10/10 G09B19/04 H04N1/00D2M H04N1/32C15B H04N1/32C17 H04N1/60D3 H04W72/04L H04W72/12D S02B27/01 S02B27/01A10 S02B27/01A11 S02B27/01D4 S06F203/04802 S06F3/12T T04N201/00J4 T04N201/32C4L T04N201/32C4P T04N201/32C5S T04N201/32C5T T04N201/32C5V T04N201/32C6 T04W72/00 T04W72/04 T04W84/04C4 T04W84/18 T04W88/04

US: 101/211 178/19.01 178/19.05 345/179 345/179P 345/179S 345/180 345/8 345/8P 346/145 346/145P 358/1.1 358/1.100P 358/2.1 358/3.28 361/724 361/724P 370/315 370/315P 370/329 370/329S 382/187 382/187S 455/452.1 455/452.100S 704/231 704/236 704/257 704/257P 704/270 704/E15.005 704/E15.005S 715/201 715/201P 715/220 715/220P 715/764 715/771 715/771P 715/781 715/819 715/829 715/850 715/855

Family:

Publication number	Publication date	Application number	Application date
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AU2009214659 AA	20090820	AU20090214659	20090212
AU2014200617 AA	20140227	AU20140200617	20140205
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Priority:

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AU20140200617	20140205	JP20100546906	20090212		

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Agent(s): CORDINA KEVIN JOHN ET AL; CORDINA KEVIN JOHN; HESELBERGER JOHANNES; BLACK LOWE AND GRAHAM PLLC; QUALCOMM INC PATENT DEPARTMENT CENTRAL ADMINISTRATION; FOSTER PEPPER PLLC; RICHARD T; RICHARD C; FRANCOIS A; VERSHAVE RICHARD C; DOUGLAS CHRISTOPHER; BYRNE MARK D; CORIE FLORIN C

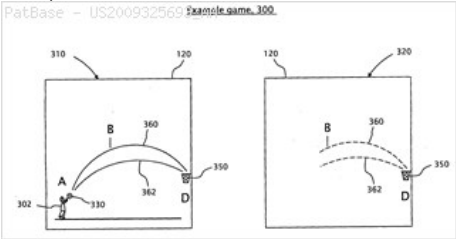
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: METHODS FOR PLAYING COMPUTER GAMES WITHOUT A DISPLAY

Abstract: Source: US2009325693A A method for playing computer games whereas before the game starts, visual percept is present and the player **learns** the rules and options that the game provides, and during the game the screen is blank, i.e., no visual stimuli are presented. Players' actions are based on other modalities except vision. Playing the game might require all or part of the modalities of auditory and visual mental imagery percept, memory, hand movements, speech, physiological measurements and prediction of hand motor coordination.

Classifications:

International (IPC 8-9): A61B5/00 A63F13/10 A63F9/24 (Advanced/Invention); A61B5/00 A63F13/10 A63F9/24 (Core/Invention)
CPC: A63F13/10 A63F2300/1012 A63F2300/1081 A63F2300/302 A63F2300/638 A63F2300/6653 G09B5/06 B24B9/144 B24B9/148 G02C9/04 G02C13/003 G05B19/41865 G05B2219/31205 G05B2219/32022 G05B2219/36369 G05B2219/45175
European: A63F13/10 B24B9/14C B24B9/14E G02C13/00B G02C9/04 G05B19/418P G09B5/06 K63F300/10B K63F300/10V K63F300/30F K63F300/63T K63F300/66T S05B219/31205 S05B219/32022 S05B219/36369 S05B219/45175
US: 463/30 463/30P 463/36 463/36P 463/43 463/43S 600/301 600/301S



Family:

Publication number	Publication date	Application number	Application date
US2009325693 AA	20091231	US20080523750	20080617
US2010113152 AA	20100506	US20100687897	20100115
WO09047749 A1	20090416	WO2008IL00822	20080617

Priority:

US20070887159P 20070130 US20070960674P 20071010 US20080523750 20080617
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Probable Assignee: RON SAMUEL

Assignee(s): (std): RON SAMUEL ; SHMUEL RON

Assignee(s): KATZ ITZHAK MR ; SAMUEL RON DR

Inventor(s): (std): RON SAMUEL ; SHMUEL RON

Agent(s): DR RON SAMUEL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW