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(54) Title: APPARATUS AND METHODS FOR TRAINING AN EDUCATIONAL MACHINE-LEARNING MODEL

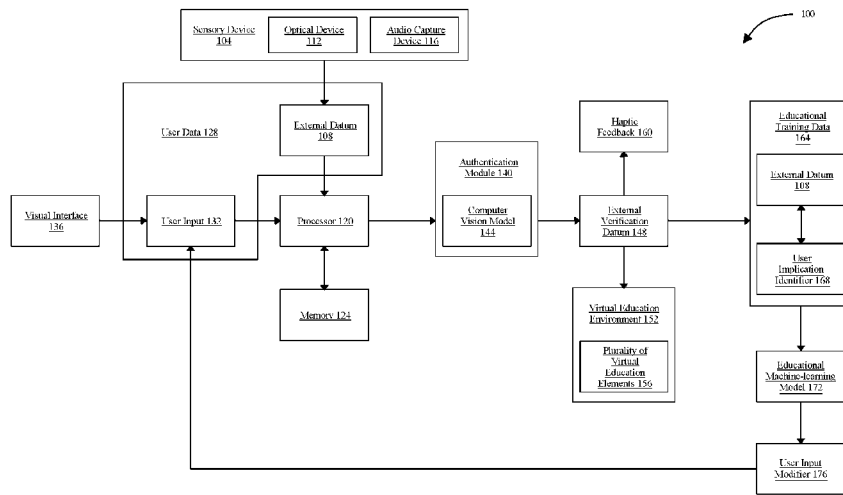


FIG. 1

(57) Abstract: An apparatus and methods for training an educational machine-learning model, the apparatus includes a sensory device configured to capture an external datum pertaining to a user, at least a processor in communication with the sensory device, and a memory containing instructions configuring the at least a processor to receive the user data, wherein the user data includes the external datum captured by the sensory device, and a user input accepted through a visual interface, authenticate the user as a function of the external datum using a user authentication module, generate educational training data as a function of the user data, train an educational machine-learning model using the educational training data, and determine a user input modifier as a function of the trained educational machine-learning model.



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A. CLASSIFICATION OF SUBJECT MATTER

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CPC - INV. G06F 21/31; G06N 3/045; G06N 3/084; G06N 5/04; G06N 20/00; G06Q 20/40145; G06T 7/11; G09B 19/0053

ADD.

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)

See Search History document

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

See Search History document

Electronic database consulted during the international search (name of database and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN 114550545 A (SHANGHAI COMMERCIAL SOUP INTELLIGENT SCIENCE & TECH LTD) 27 May 2022; abstract; paragraphs [0149], [0150], [0205], [0213], [0214] (see machine translation)	1-56
A	US 11,188,915 B2 (CAPITAL ONE SERVICES LLC) 30 November 2021; abstract; figures 2, 3; column 1, lines 27-37; column 5, line 61 to column 6, line 36; column 14, lines 3-36	1-56
A	US 2021/0133600 A1 (PEARSON EDUCATION, INC.) 06 May 2021; paragraph [0006]; claims 1, 2, 8, 14	1-56
A	US 2021/0081841 A1 (VIANI SYSTEMS, INC.) 18 March 2021; abstract; paragraphs [0010], [0011]; claims 1, 2	1-56
A	US 2022/0230418 A1 (ROBERT BOSCH GMBH) 21 July 2022; abstract; paragraphs [0006], [0007]	1-56
E,X	US 11,893,464 B1 (EDYOU) 06 February 2024; See entire document	1-56

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

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