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(54) Title: CORRECTING ERROR IN A FIRST CLASSIFIER BY EVALUATING CLASSIFIER OUTPUT IN PARALLEL

(57) Abstract: Systems and methods for classifying a test object are provided. For each respective target object in a plurality of target objects, a first procedure is performed comprising (a) posing the test object against the respective target thereby obtaining an interaction between the test and target, and (b) scoring the interaction with a first classifier. Each such score across the plurality of targets forms a test vector that is inputted into a second classifier thereby obtaining an indication of the output from instances of the first classifier after inputting a corresponding training object in a plurality of training objects in accordance with the first procedure. Each object in one subset of the training objects is uniquely associated with one of the targets. Another subset of the training objects is not associated with the targets.

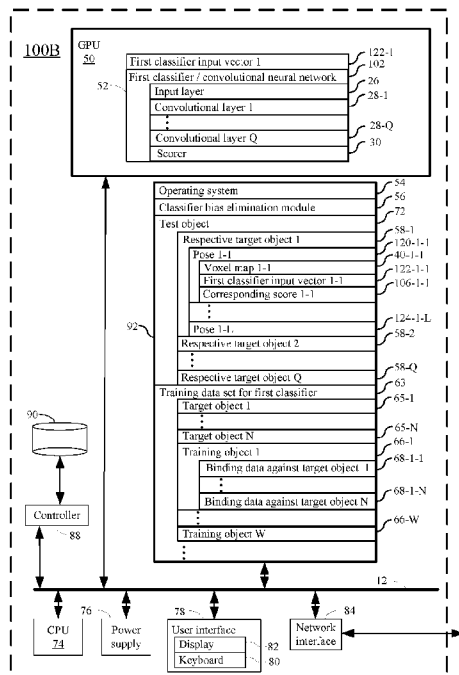


Fig. 1B

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**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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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 19/10, 19/16, 19/18, G06K 9/00, 9/20, 9/46, 9/52, 9/60, 9/62, 9/64, 9/66, G06T 1/00, 1/20, 15/00, 15/08, 7/00, 7/60, G06N 3/00-3/08		
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)		
PatSearch (RUPTO internal), USPTO, PAJ, K-PION, Esp@cenet, Information Retrieval System of FIPS		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2016/0300127 A1 (ATOMWISE INC.) 13.10.2016	1-55
A	US 2015/0238148 A1 (SIEMENS AKTIENGESELLSCHAFT) 27.08.2015	1-55
A	US 2015/0278441 A1 (NEC LABORATORIES AMERICA, INC.) 01.10.2015	1-55
A	US 2006/0034495 A1 (MATTHEW L. MILLER et al) 16.02.2006	1-55
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"O"	document referring to an oral disclosure, use, exhibition or other means	
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Name and mailing address of the ISA/RU: Federal Institute of Industrial Property, Berezhkovskaya nab., 30-1, Moscow, G-59, GSP-3, Russia, 125993 Facsimile No: (8-495) 531-63-18, (8-499) 243-33-37		Authorized officer  V. Volodin  Telephone No. (499) 240-25-91