

(51) International Patent Classification:
G06F 9/44 (2006.01)(21) International Application Number:
PCT/IB2014/062529(22) International Filing Date:
23 June 2014 (23.06.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1853/DEL/2013 24 June 2013 (24.06.2013) IN(71) Applicant: **ASPIRING MINDS ASSESSMENT PRIVATE LIMITED** [IN/IN]; 24, Pusa Road, New Delhi 110 005 (IN).(72) Inventors: **AGGARWAL, Varun**; 24, Pusa Road, New Delhi 110 005 (IN). **SRIKANT, Shashank**; #3/1, 4th Main Road, Chamrajpet, Bangalore 560 018 (IN).(74) Agents: **NYALKALKAR, Sourabh** et al.; Inolyst Consulting Pvt Ltd, #575, Gtr Complex, C-Block, AECS Layout, Kundalahalli, Bangalore 560 037 (IN).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,

HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR GRADING A COMPUTER PROGRAM

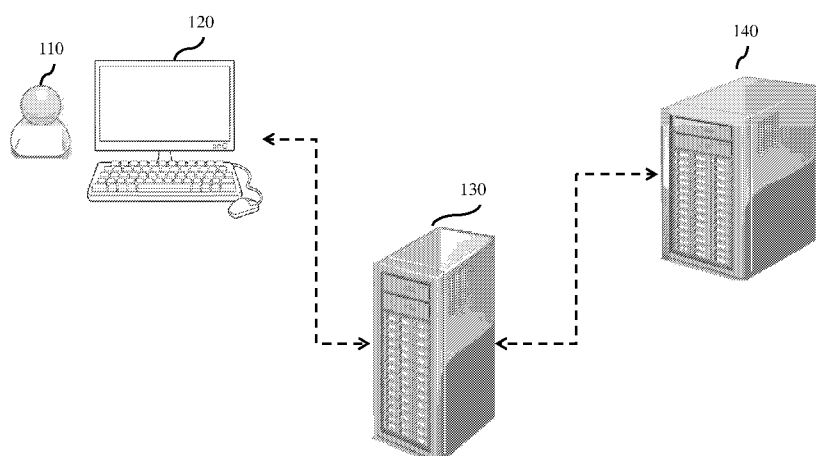


FIGURE 1

(57) **Abstract:** The system includes a receiving module configured to receive a first set of data and a second set of data, wherein the first set of data comprises one or more high quality objects, and one or more ungraded objects, wherein the second set of data comprises one or more ungraded objects, an identification module configured to identify the one or more high quality objects, an extraction module is configured to extract one or more features from each high quality object of the one or more high quality objects, a building module is configured to build a predictive model based on the one or more features extracted for the each high quality object, a comparison module configured to compares the one or more ungraded objects and the one or more high quality objects, and an assessment module configured to score the one or more ungraded objects.



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

9 April 2015

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/IB2014/062529

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 9/44 (2014.01)

CPC - G06F 8/36 (2014.09)

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)

IPC(8) - G06F 9/44, G06Q 99/00, G06Q 50/00, G06Q 30/00, G06Q 10/00 (2014.01)

USPC - 717/110, 705/14.11, 705/347, 705/319, 705/30

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

CPC - G06F 8/36, G06F 8/71, G06Q 50/01, G06Q 30/0282, G06Q 10/06398, G06Q 10/10, G06F 8/20, G06Q 30/0208, G06Q 10/063112, G06Q 40/12, G06Q 10/06311, G06F 8/20, G06F 8/70 (2014.09) (keyword delimited)

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

Orbit, Google Patents, Google Scholar, Google.

Search terms used: grade computer program, first set data, object, graded object, high quality object, ungraded object, parameters

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	HELMICK, "Interface-based Programming Assignments and Automatic Grading of Java Programs," ACM SIGCSE Bulletin, September 2007 (09.2007), [retrieved on 2014-12-07]. Retrieved from the Internet: <URL: http://www.users.miamioh.edu/helmickmt/papers/itcse010-helmick.pdf >, entire document	1-14
Y	US 2005/0142529 A1 (ANDREYEV et al) 30 June 2005 (30.06.2005), entire document	1-14
A	US 2007/0168946 A1 (DRISSI et al) 19 July 2007 (19.07.2007), entire document	1-14
A	US 2010/0262473 A1 (HUGHES) 14 October 2010 (14.10.2010), entire document	1-14
A	US 2011/0166969 A1 (HUGHES) 07 July 2011 (07.07.2011), entire document	1-14
A	US 2003/0130021 A1 (LYDON et al) 10 July 2003 (0.07.2003), entire document	1-14

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"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

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"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

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"&" document member of the same patent family

Date of the actual completion of the international search

07 December 2014

Date of mailing of the international search report

02 JAN 2015

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents

P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

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PCT Helpdesk: 571-272-4300

PCT OSP: 571-272-7774