10020042489

13 JUL 2002

162162

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
19 July 2001 (19.07.2001)

PCT

(10) International Publication Number
WO 01/52119 A1

(51) International Patent Classification[7]: G06F 17/50

(21) International Application Number: PCT/GB00/01324

(22) International Filing Date: 7 April 2000 (07.04.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0000672.6 13 January 2000 (13.01.2000) GB

(71) Applicant *(for all designated States except US)*: **ATLAS WARD STRUCTURES LIMITED** [GB/GB]; Sherburn, Malton, North Yorkshire YO17 8PZ (GB).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **POTTAGE, Alan, Victor** [GB/GB]; 4 Station View, Crossgates, Scarborough YO12 4NG (GB).

(74) Agent: **FORRESTER KETLEY & CO.**; Chamberlain House, Paradise Place, Birmingham B3 3HP (GB).

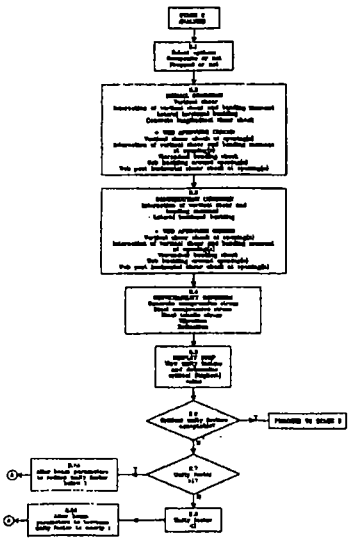
(81) Designated States *(national)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*

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.

(54) Title: METHOD OF DESIGNING A STRUCTURAL ELEMENT



WO 01/52119 A1

(57) Abstract: A method of designing a structural element comprising providing a value for a plurality of parameters of the structural element and a plurality of loads to be supported thereby, performing an analysis step of calculating a plurality of properties of said structural element at a plurality of discrete locations on said structural element, and displaying the results of said analysis step.

ACTION