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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 August 2003 (28.08.2003)

PCT

(10) International Publication Number
WO 03/071452 A2

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

(21) International Application Number: PCT/US03/04577

(22) International Filing Date: 14 February 2003 (14.02.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/357,480 15 February 2002 (15.02.2002) US

(71) Applicant: COMPUTER ASSOCIATES THINK, INC. [US/US]; One Computer Associates Plaza, Islandia, NY 11749 (US).

(72) Inventor: STEED, Arnold, F.; 14326 Oak Chase Drive, Houston, TX 77062 (US).

(74) Agent: STALFORD, Terry, J.; Baker Botts L.L.P., 2001 Ross Ave., Dallas, TX 75201-2980 (US).

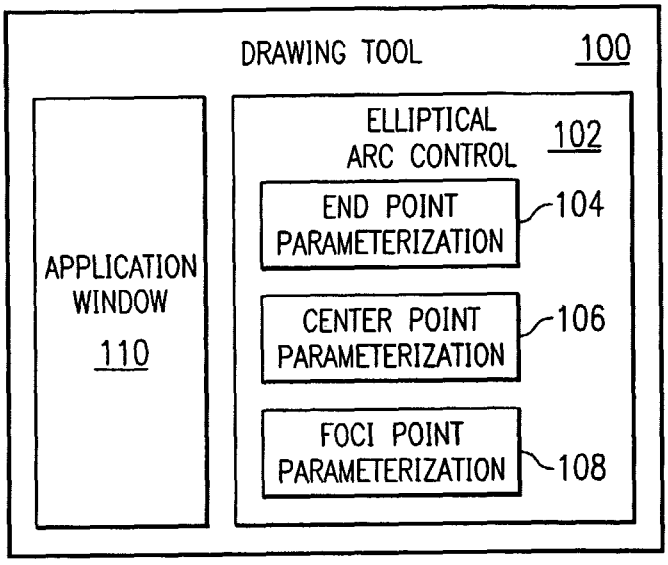
(81) Designated States *(national)*: AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID,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

(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *without international search report and to be republished upon receipt of that 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: SYSTEM AND METHOD FOR SPECIFYING ELLIPTICAL PARAMETERS



(57) Abstract: An interactive elliptical arc control system and method are disclosed. Three control points are provided - a center control point and two foci control points - that a user can interactively manipulate in order to specify and change the elliptical parameters involved. The center control point can control the radius of the ellipse in the x direction, while keeping constant the ratio of the radius of the ellipse in the y direction to the radius of the ellipse in the x direction. The center control point can also control the relationship of the sweep flag to the large arc flag involved. The two foci control points can control the ratio of the radius of the ellipse in the y direction to the radius of the ellipse in the x direction, the angle from the x-axis of the coordinate system to the x-axis of the ellipse, and the value of the sweep flag.

WO 03/071452 A2