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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
10 May 2001 (10.05.2001)

PCT

(10) International Publication Number
WO 01/033344 A3

(51) International Patent Classification[7]: G06F 9/44, 3/033, H04N 7/24

(21) International Application Number: PCT/IB00/01720

(22) International Filing Date:
1 November 2000 (01.11.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
99402721.7 2 November 1999 (02.11.1999) EP
00300832.3 3 February 2000 (03.02.2000) EP

(71) Applicant *(for all designated States except US)*: **CANAL+ SOCIETE ANONYME** [FR/FR]; 85-89, quai André Citroën, F-75711 Paris Cedex 15 (FR).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **JOUET, Bruno** [FR/FR]; Canal+ Technologies Société Anonyme, 34, place Raoul Dautry, F-75516 Paris Cedex 15 (FR). **NGUYEN VAN HUONG, Emile** [FR/FR]; Canal+ Technologies Société Anonyme, 34, place Raoul Dautry, F-75516 Paris Cedex 15 (FR). **VILLERS, Jean-Stéphane** [FR/FR]; 16, passage des Ballades, F-95800 Cergy (FR).

(74) Agents: **COZENS, Paul, Dennis** et al.; Mathys & Squire, 100 Gray's Inn Road, London WC1X 8AL (GB).

(81) Designated States *(national)*: AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

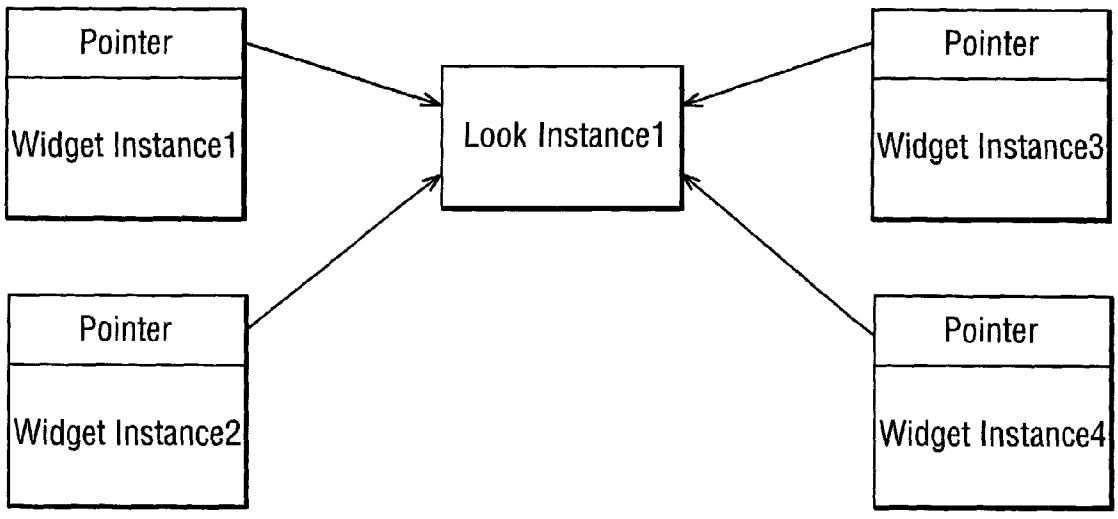
(84) Designated States *(regional)*: ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML,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

Published:
— *with international search report*

(88) Date of publication of the international search report:
28 November 2002

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: DISPLAYING GRAPHICAL OBJECTS



(57) Abstract: Aspects of the present invention relate to a method of controlling the appearance of a graphical object in a graphical user interface. In an embodiment of an aspect of the invention, an object, such as a widget, in a graphical user interface comprises an instance of a widget class in which arr defined properties and/or methods which control operation of the object; and an associated instance of a look object class in which are defined properties and/or methods which control the look of the object.

WO 01/033344 A3