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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 March 2007 (15.03.2007)

PCT

(10) International Publication Number
WO 2007/030769 A3

(51) International Patent Classification:
G06F 17/21 (2006.01) *G06F 3/048* (2006.01)
G06F 17/24 (2006.01)

(21) International Application Number:
PCT/US2006/035168

(22) International Filing Date:
6 September 2006 (06.09.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/223,180 9 September 2005 (09.09.2005) US

(71) Applicant *(for all designated States except US)*: **MICROSOFT CORPORATION** [US/US]; One Microsoft Way, Redmond, Washington 98052-6399 (US).

(72) Inventors: **MEGIDDO, Eran**; One Microsoft Way, Redmond, Washington 98052-6399 (US). **PARISH, Daniel, Y.**; One Microsoft Way, Redmond, Washington 98052-6399 (US). **BATTAGIN, Daniel**; One Microsoft Way, Redmond, Washington 98052-6399 (US). **ARCHER, Robert, L.**; One Microsoft Way, Redmond, Washington 98052-6399 (US). **GREWAL, Amarinder, Singh**; One Microsoft Way, Redmond, Washington 98052-6399 (US). **ROCKWOOD, Justin, Frederick**; One Microsoft Way, Redmond, Washington 98052-6399 (US). **BOON, Sean**; One Microsoft Way, Redmond, Washington 98052-6399 (US).

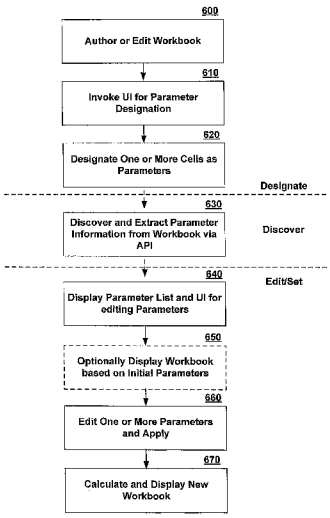
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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))*

[Continued on next page]

(54) Title: DESIGNATING, SETTING AND DISCOVERING PARAMETERS FOR SPREADSHEET DOCUMENTS



(57) Abstract: For standalone spreadsheet applications and/or Web-based spreadsheet services, the ability to designate, discover and set parameters for spreadsheet documents is provided. When creating a spreadsheet document, the ability to designate certain cells or ranges of cells as parameters to a spreadsheet is enabled. Furthermore, whether viewed in a standalone spreadsheet application or via a Web service, the ability to discover these parameters through the user interface or object model is provided. The ability to set or change these parameters one at a time or in bulk and drive the changes into the calculation model is also provided. Accordingly, whether viewed in a standalone spreadsheet application or via a Web rendering service, the effect of the parameters entered by the user can be calculated and viewed at once. The ability to suspend recalculation of a workbook until all relevant values, such as a current set of parameters, are obtained is also enabled.

WO 2007/030769 A3

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *with international search report*

(88) Date of publication of the international search report:
31 May 2007

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.