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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
5 November 2009 (05.11.2009)

PCT

(10) International Publication Number
WO 2009/134548 A3

(51) **International Patent Classification**:
G06F 17/24 (2006.01) *G06F 17/30* (2006.01)
G06F 17/21 (2006.01)

(21) **International Application Number**:
PCT/US2009/037920

(22) **International Filing Date**:
23 March 2009 (23.03.2009)

(25) **Filing Language**: English

(26) **Publication Language**: English

(30) **Priority Data**:
12/111,174 28 April 2008 (28.04.2008) US

(71) **Applicant** *(for all designated States except US)*: **MICROSOFT CORPORATION** [US/US]; Attn: Sharon Rydberg, (sharonr), 8/2321, LCA, International Patents Department, One Microsoft Way, Redmond, WA 98052-6399 (US).

(72) **Inventors**: **BAILOR, Jonathan, Beckett**; C/o Microsoft Corporation, Lca, International Patents Department, One Microsoft Way, Redmond, WA 98052-6399 (US). **BERNSTEIN, Ethan, Joseph**; c/0 Microsoft Corporation, LCA, International Patents Department, One Microsoft Way, Redmond, Washington 98052-6399 (US). **KROUT, Kelly, Michael**; c/o Microsoft Corporation, LCA, International Patents Department, One Microsoft Way, Redmond, Washington 98052-6399 (US). **MIZULO, Matthew, Eric**; c/o Microsoft Corporation, LCA, International Patents Department, One Microsoft Way, Redmond, Washington98052-6399 (US). **GORDNER, Jonathan, Ian**.

(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, BR, BW, BY, BZ, CA, CH, 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, IS, JP, KE, KG, KM, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

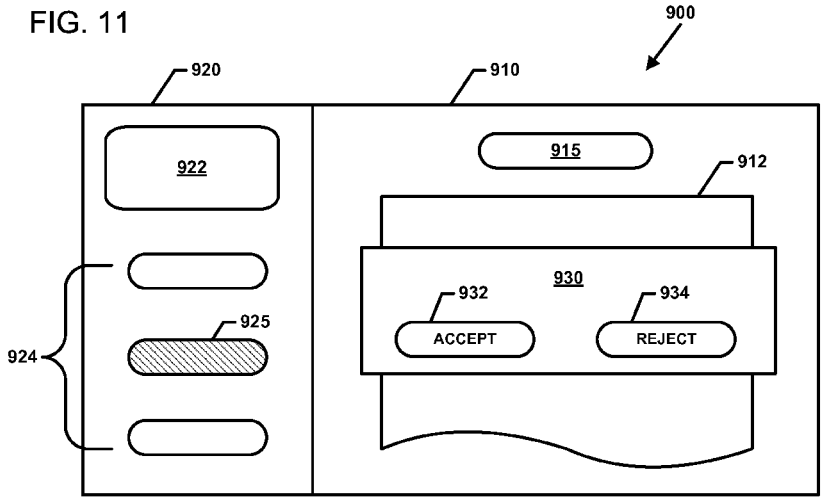
(84) **Designated States** *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, 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:

[Continued on next page]

(54) **Title**: CONFLICT RESOLUTION

FIG. 11



(57) **Abstract**: Embodiments of a collaborative authoring environment enable a user to resolve editing conflicts arising when synchronizing a user copy of a data file with a master copy of the data file. Content updates may be synchronized separately from metadata updates. Metadata updates may be synchronized automatically, whereas content updates may be synchronized only when any identified editing conflicts are resolved. When an editing conflict is identified, the user interface of the authoring application may be configured to toggle between displaying and hiding the identified editing conflicts.

WO 2009/134548 A3

— *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))*

Published:

— *with international search report (Art. 21(3))*

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

(88) Date of publication of the international search report:
21 January 2010