



- (51) **International Patent Classification:**
G06F 21/62 (2013.01)
- (21) **International Application Number:**
PCT/US2015/064160
- (22) **International Filing Date:**
7 December 2015 (07.12.2015)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
62/089,059 8 December 2014 (08.12.2014) US
14/633,951 27 February 2015 (27.02.2015) US
- (71) **Applicant:** MICROSOFT TECHNOLOGY LICENSING, LLC [US/US]; Attn: Patent Group Docketing (Bldg. 8/1000), One Microsoft Way, Redmond, Washington 98052-6399 (US).
- (72) **Inventors:** THOLFSEN, Michael Edward; Microsoft Technology Licensing, LLC, Attn: Patent Group Docketing (Bldg. 8/1000), One Microsoft Way, Redmond, Washington 98052-6399 (US). HAN, Ivan Hor Siu; Microsoft Technology Licensing, LLC, Attn: Patent Group Docketing

(Bldg. 8/1000), One Microsoft Way, Redmond, Washington 98052-6399 (US). **GRUDIN, Jonathan Thomas**; Microsoft Technology Licensing, LLC, Attn: Patent Group Docketing (Bldg. 8/1000), One Microsoft Way, Redmond, Washington 98052-6399 (US). **WIONZEK, Thomas**; Microsoft Technology Licensing, LLC, Attn: Patent Group Docketing (Bldg. 8/1000), One Microsoft Way, Redmond, Washington 98052-6399 (US).

(74) **Agents:** MINHAS, Sandip et al.; Microsoft Corporation, Attn: Patent Group Docketing (Bldg. 8/1000), 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, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, 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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

[Continued on next page]

(54) **Title:** MANAGING ACCESS PERMISSIONS TO CLASS NOTEBOOKS AND THEIR SECTION GROUPS IN A NOTEBOOK APPLICATION

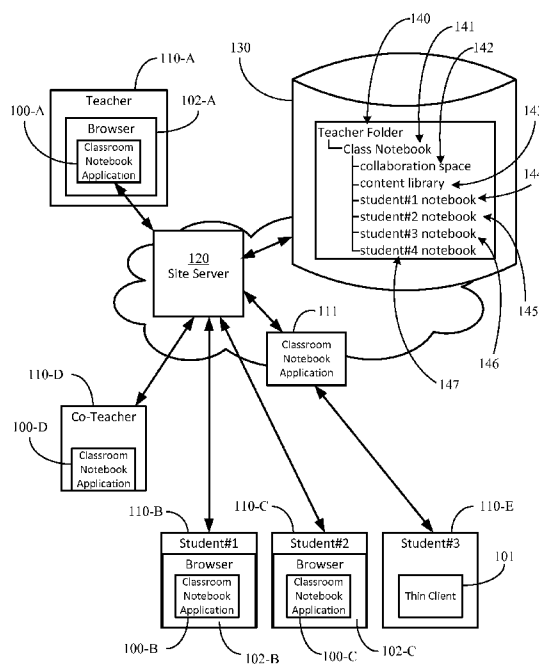


FIG. 1

(57) **Abstract:** A method of adding a co-teacher to an original teacher's class notebook can include, in response to receiving a request, at a client device, to add a co-teacher to a class notebook managed by a classroom notebook application, assigning the co-teacher full read/write permissions to the teacher's class notebook including any section groups having connected role inheritances. The co-teacher is also assigned full read/write permissions to the student-specific section groups and the collaboration space section group, which are all in the class notebook and which have broken permission inheritance. To protect the teacher's personal folder, which is a parent folder to the teacher's class notebook, the classroom notebook application removes the co-teacher's permissions to the teacher's personal folder.



(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, 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))*
- *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))*