

(12) International Application Status Report

Received at International Bureau: 05 December 2016 (05.12.2016)

Information valid as of: 25 May 2018 (25.05.2018)

Report generated on: 21 September 2019 (21.09.2019)

(10) Publication number:

WO2017/091377

(43) Publication date:

01 June 2017 (01.06.2017)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/US2016/062003

(22) Filing Date:

15 November 2016 (15.11.2016)

(25) Filing language:

English (EN)

(31) Priority number(s):

14/951,670 (US)

(31) Priority date(s):

25 November 2015 (25.11.2015)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

A61B 17/32 (2006.01); **A61B 18/12** (2006.01); **A61B 90/00** (2016.01)

(71) Applicant(s):

ETHICON LLC [US/US]; #475 Street C Los Frailes Industrial Park Guaynabo, Puerto Rico 00969 (US) *(for all designated states)*

(72) Inventor(s):

GROENE, David C.; 4545 Creek Road Cincinnati, Ohio 45242 (US)

DANZIGER, Benjamin J.; 4545 Creek Road Cincinnati, Ohio 45242 (US)

(74) Agent(s):

SHIRTZ, Joseph F.; Johnson & Johnson One Johnson & Johnson Plaza New Brunswick, New Jersey 08933 (US)

(54) Title (EN): RESTRICTED USAGE FEATURES FOR SURGICAL INSTRUMENT

(54) Title (FR): CARACTÉRISTIQUES D'UTILISATION RESTREINTES POUR INSTRUMENT CHIRURGICAL

(57) Abstract:

(EN): Systems, devices and methods for managing surgical instruments throughout their lifecycle include disabling a usage based device lockout and providing notifications for devices nearing a usage based lockout. A device adaptor connected inline between a surgical instrument and a power source can be configured to alter a device EEPROM to allow for additional device usage despite a usage based lockout. Notifications and user prompts may be displayed requiring a user to acknowledge that a usage based device lockout has occurred in order to avoid an attempt to use an expired device in a future procedure.

(FR): La présente invention concerne des systèmes, des dispositifs et des procédés pour gérer des instruments chirurgicaux tout au long de leur cycle de vie qui comprennent la désactivation d'un verrouillage de dispositif à base d'utilisation et la fourniture de notifications pour des dispositifs approchant un verrouillage à base d'utilisation. Un adaptateur de dispositif connecté en ligne entre un instrument chirurgical et une source d'alimentation peut être configuré pour modifier un dispositif EEPROM afin de permettre l'utilisation additionnelle du dispositif malgré un verrouillage à base d'utilisation. Des notifications et des invites d'utilisateur peuvent être affichées, demandant à un utilisateur d'accuser réception du fait qu'un verrouillage de dispositif d'utilisation est survenu afin d'éviter une tentative d'utilisation d'un dispositif expiré dans une procédure future.

International search report:

Received at International Bureau: 03 April 2017 (03.04.2017) [EP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

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, DJ, 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, KW,

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

European Patent Office (EPO) : 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

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG
African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM

Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate

Declaration made as applicant's entitlement, as at the international filing date, to claim the priority of the earlier application, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))