

(12) International Application Status Report

Received at International Bureau: 20 January 2018 (20.01.2018)

Information valid as of: 25 February 2019 (25.02.2019)

Report generated on: 21 July 2019 (21.07.2019)

(10) Publication number:

WO2019/050556

(43) Publication date:

14 March 2019 (14.03.2019)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/US2017/068707

(22) Filing Date:

28 December 2017 (28.12.2017)

(25) Filing language:

English (EN)

(31) Priority number(s):

62/556,666 (US)

(31) Priority date(s):

11 September 2017 (11.09.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

H04M 1/00 (2006.01); **H04W 72/00** (2009.01)

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(54) Title (EN): MIXED MODE BLUETOOTH COMMUNICATIONS

(54) Title (FR): COMMUNICATIONS BLUETOOTH EN MODE MIXTE

(57) Abstract:

(EN): A device and a method for mixed mode communication are disclosed. For example, a Bluetooth master device transmits data packets to a Bluetooth slave device and receives acknowledgments from the Bluetooth slave device, by controlling a transceiver to transmit the data packets based on a Bluetooth Basic Rate/Enhanced Data Rate (BR/EDR) protocol, and to receive the acknowledgements packet (ACK) based on a Bluetooth Low Energy (BLE) protocol. In another example, a Bluetooth slave device receives the data packets from a Bluetooth master device and transmits acknowledgments to the Bluetooth master device, by controlling a transceiver to receive the data packets based on a BR/EDR protocol, and to transmit the ACK based on a BLE protocol.

(FR): La présente invention concerne un dispositif et un procédé pour une communication en mode mixte. Par exemple, un dispositif maître Bluetooth transmet des paquets de données à un dispositif esclave Bluetooth et reçoit des accusés de réception en provenance du dispositif esclave Bluetooth, en commandant un émetteur-récepteur pour transmettre les paquets de données sur la base d'un protocole de débit de base Bluetooth/débit de données amélioré (BR/EDR) et pour recevoir le paquet d'accusé de réception (ACK) sur la base d'un protocole Bluetooth à faible consommation d'énergie (BLE pour Bluetooth Low Energy). Selon un autre exemple, un dispositif esclave Bluetooth reçoit les paquets de données en provenance d'un dispositif maître Bluetooth et transmet des accusés de réception au dispositif maître Bluetooth, en commandant un émetteur-récepteur pour recevoir les paquets de données sur la base d'un protocole de débit BR/EDR, et pour transmettre l'accusé de réception sur la base d'un protocole Bluetooth BLE.

International search report:

Received at International Bureau: 05 April 2018 (05.04.2018) [US]

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, JO, JP, KE, KG, KH, 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

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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