

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
10 February 2022 (10.02.2022)



(10) International Publication Number
WO 2022/029141 A1

(51) International Patent Classification:

H04W 24/02 (2009.01) H04W 56/00 (2009.01)
H04L 27/26 (2006.01) H04W 84/04 (2009.01)
H04W 24/08 (2009.01) H04W 48/16 (2009.01)
H04W 48/12 (2009.01)

(21) International Application Number:

PCT/EP2021/071697

(22) International Filing Date:

03 August 2021 (03.08.2021)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2012046.5 03 August 2020 (03.08.2020) GB

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(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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(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).

Published:

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

(54) Title: ESTABLISHING A WIRELESS CONNECTION WITH A MOBILE DEVICE

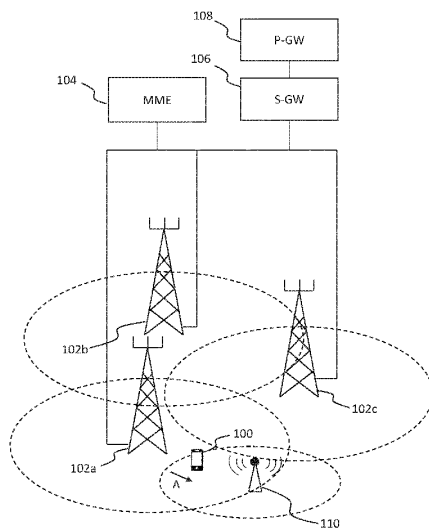


Fig. 1

(57) Abstract: A method of establishing a wireless connection between a base station apparatus and a mobile communications device in accordance with a mobile communication standard in which data is communicated by wireless signals using orthogonal frequency-division multiplexing includes: allocating a first set of resource blocks for transmitting data from the base station apparatus to the mobile communications device via a downlink signal within a given frequency band; transmitting, by the base station apparatus, an interference signal in a second set of resource blocks within the given frequency band, the second set of resource blocks being different from the first set of resource blocks, wherein the interference signal is configured to interfere with broadcast control signals transmitted by base stations of one or more cells of a mobile communication network; and transmitting, by the base station apparatus, the downlink signal within the first set of resource blocks.

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