

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
14 May 2015 (14.05.2015)



(10) International Publication Number
WO 2015/070064 A9

(51) International Patent Classification:
G01S 11/14 (2006.01) *H04M 1/66* (2006.01)

(21) International Application Number:
PCT/US2014/064627

(22) International Filing Date:
7 November 2014 (07.11.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/901,241 7 November 2013 (07.11.2013) US

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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, 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.

(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).

[Continued on next page]

(54) Title: DRIVER SIDE LOCATION DETECTION

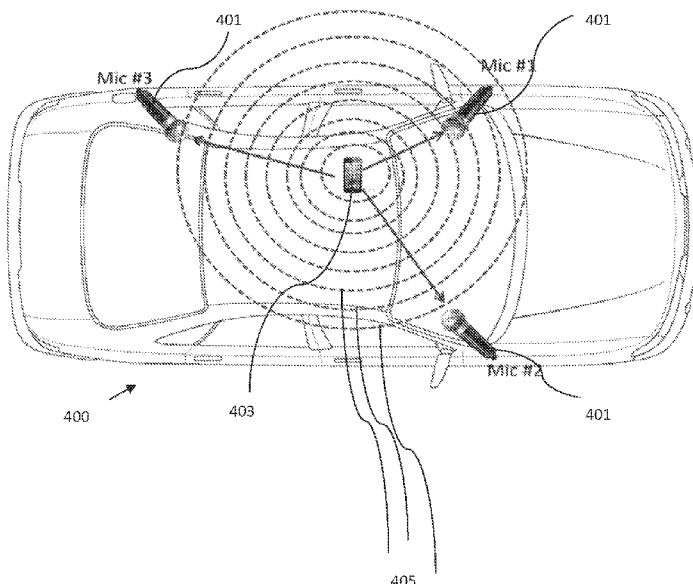


FIG. 4

(57) Abstract: A system for determining a presence of a mobile device located in a predetermined detection zone includes a circuit associated with the mobile device and configured to cause an acoustic signal to be transmitted from the mobile device, a plurality of acoustic receivers, where each of the plurality of receivers is configured to receive the acoustic signal transmitted from the mobile device and convert the acoustic signal into an electrical signal, and a processor configured to determine a location of the mobile device based on the time of reception of the acoustic signal by the plurality of acoustic receivers and to determine whether the location of the mobile device matches the predetermined detection zone.



Published:

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

(15) Information about Correction:

see Notice of 16 July 2015

(48) Date of publication of this corrected version:

16 July 2015