

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
18 June 2009 (18.06.2009)

PCT

(10) International Publication Number
WO 2009/075648 A1

(51) International Patent Classification:
G08G 5/06 (2006.01) **G01S 17/93** (2006.01)

(21) International Application Number:
PCT/SG2007/000425

(22) International Filing Date:
10 December 2007 (10.12.2007)

(25) Filing Language: English

(26) Publication Language: English

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, 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, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL,

[Continued on next page]

(54) Title: AN AIRCRAFT GROUND COLLISION WARNING SYSTEM

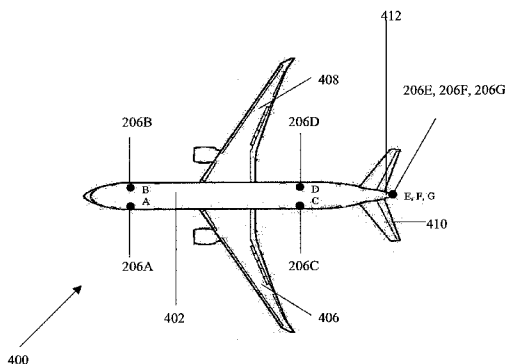


Figure 4

(57) Abstract: A system and method for collision avoidance between an aircraft and surrounding objects on the ground is provided. The system may include a controller interface; a plurality of laser sensors mounted on the aircraft and electrically connected to the controller interface, each of the plurality of laser sensors having a detection area, such that said detection areas cumulatively cover at least a periphery of both a left and a right wing of the aircraft; audio and visual warning means located in a cockpit of the aircraft, each of the audio and visual warning means being electrically connected to the controller interface; and at least one video camera mounted on the aircraft and electrically connected to the controller interface, such that when said at least one video camera is activated, said video camera provides an image of said periphery to said visual warning means; wherein the controller interface receives a signal from at least one of the laser sensors indicating the presence of an object within the detection area and activates at least one of the audio warning means and said at least one video camera to alert an operator of the aircraft that a collision is possible.

WO 2009/075648 A1



PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*