



## (51) International Patent Classification:

**G06K 19/077** (2006.01) **B65D 27/30** (2006.01)  
**B65D 5/43** (2006.01) **B65D 51/20** (2006.01)  
**B65D 5/54** (2006.01) **G08B 13/14** (2006.01)  
**B65D 17/00** (2006.01)

## (21) International Application Number:

PCT/AU2010/000936

## (22) International Filing Date:

26 July 2010 (26.07.2010)

## (25) Filing Language:

English

## (26) Publication Language:

English

## (30) Priority Data:

2009903461 24 July 2009 (24.07.2009) AU

(71) Applicant (for all designated States except US): **WI PROTECT PTY LTD** [AU/AU]; Unit 3, No. 1 Skyline Road, Frenchs Forest, New South Wales 2086 (AU).

## (72) Inventors; and

(75) Inventors/Applicants (for US only): **BORTZ, Gary** [AU/AU]; 49 Catherine Street, St Ives, NSW 2075 (AU). **ELCOMBE, Jonathan Hugh** [AU/AU]; Suite 15, Building 7, 49 Frenchs Forest Road, NSW 2086 (AU). **PARTRIDGE, Kevin John** [GB/AU]; Suite 15, Building 7, 49 Frenchs Forest Road, NSW 2086 (AU).

(74) Agents: **DREW, David** et al.; Chrysiliou IP, Mount View Place, Suite 6, 322 Mountain Highway, Wantirna, VIC 3152 (AU).

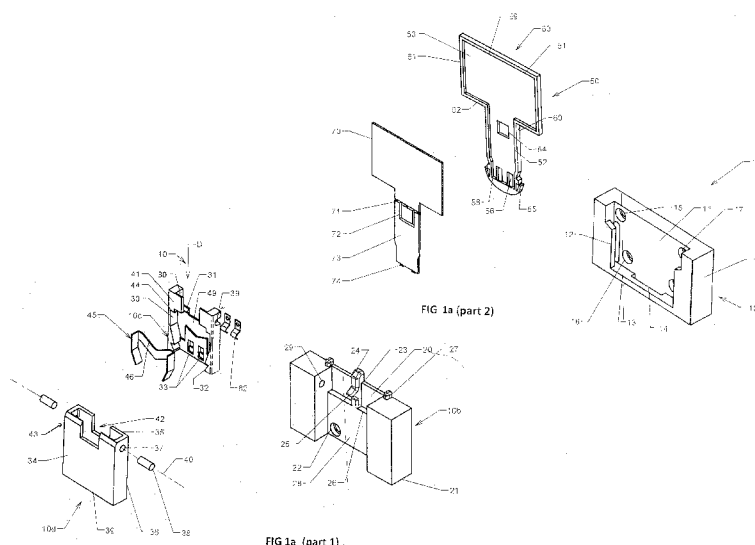
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

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

## (54) Title: WIRELESS DETECTABLE TAMPER EVIDENT SEAL



(57) Abstract: A wirelessly detectable tamper-evident seal (1) including a receptacle part (10) and a frangible part (50), the receptacle part (10) including a first receptacle (10a) and a second receptacle (10b-d) attachable to a container to seal a closure of the container and the frangible part (50) including a first portion (51) and a second portion (52) frangibly connected to each other, the first receptacle (10a) adapted to receive the first portion (51) and the second receptacle (10b-d) adapted to receive the second portion (52), the frangible part (50) including a transponder (54), the second portion (52) able to be trapped against movement in the reverse direction in the second receptacle (10b-d) to effect a tamper evident seal between the first and second receptacles (10a-d), wherein the transponder (54) includes at least two circuit interruption locations (94a, 94b) that must be connected to activate the transponder (54) and the transponder (54) is activatable by inserting the second portion (51) in the second receptacle (10b-d) whereby to connect both or all circuit interruption (94a, 94b) locations.