



- (51) International Patent Classification:
B64D 1/14 (2006.01) *B64C 39/02* (2006.01)
- (21) International Application Number:
PCT/IB2012/056634
- (22) International Filing Date:
22 November 2012 (22.11.2012)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data:
TO2011A001165 16 December 2011 (16.12.2011) IT
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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, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, 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, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: SOFT LANDINGS SYSTEM FOR A LOAD IN FREE FALL, IN PARTICULAR FOR A VEHICLE, SUCH AS A PILOTED VEHICLE WITHOUT A DRIVER ON BOARD

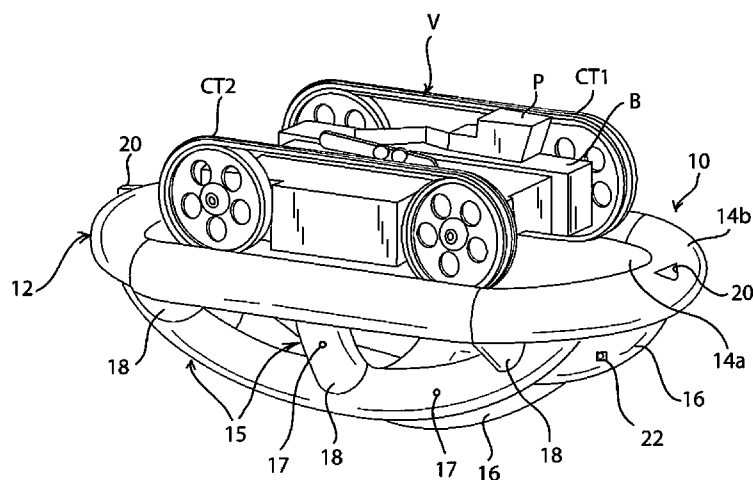


Fig.1

(57) Abstract: A soft landing system (10) includes an air cushion structure (12) comprising: a housing portion (14), adapted to house a load (V); a support portion (15), connected to the housing portion (14) and inflatable with fluid under pressure, and comprising a plurality of tubular elements (16; 116) adapted to be inflated, thus taking an outstretched configuration in which they (16; 116) support the housing portion (14); and a breather apparatus (17), adapted to gradually deflate said tubular elements (16; 116) when said structure (10) is free falling integrally with said load (V) and said support portion (15) hits the ground.