



(51) International Patent Classification:
B66B 1/30 (2006.01)

(21) International Application Number:
PCT/IT2010/000320

(22) International Filing Date:
20 July 2010 (20.07.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
FI2009A000162 23 July 2009 (23.07.2009) IT
FI2010A000080 29 April 2010 (29.04.2010) IT

(72) Inventor; and

(71) Applicant : **SOLDAINI, Fulvio** [IT/IT]; Via della Libertà 139, I-50036 Vaglia (FI) (IT).

(74) Agent: **MINCONE, Antimo**; Viale Europa 101, I-50126 Firenze (IT).

(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,

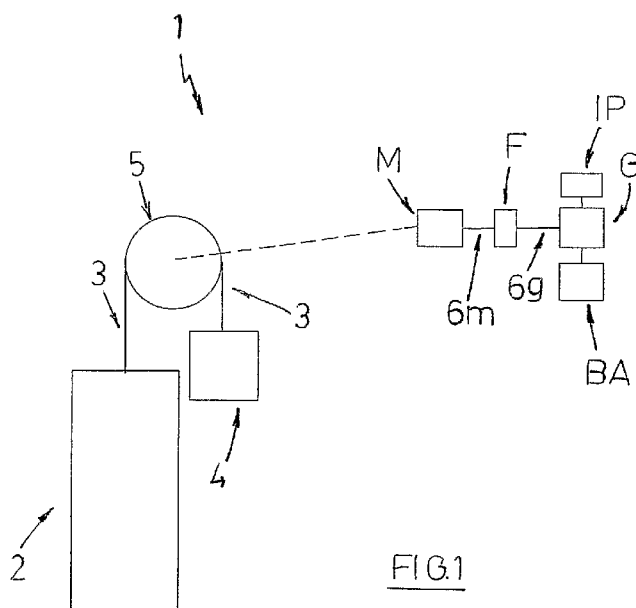
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, 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))
- 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: SYSTEM FOR RECOVERING ENERGY IN APPARATUSES FOR THE HANDLING OF LOADS



(57) Abstract: System for recovering energy in apparatuses for handling loads wherein a load (2) is vertically moved by means of motor means (M) that, in relation to the operative state thereof, absorbs electric energy in a greater or smaller quantity that a preset value. The system comprises sensing means of the energy instant- by-instant absorbed by the said motor means (M), at least one electric energy generator (G) apt to transform into electric energy the rotation of a shaft (6m) presented by the said motor (M). The sensing means operate the activation of said at least one generator (G) when the energy absorbed by the motor (M) is less than a preset value and operate the deactivation of the said at least one generator (G) when the energy absorbed by the motor (M) is greater than the preset value.