

(43) International Publication Date
27 September 2012 (27.09.2012)(51) International Patent Classification:
B66B 1/30 (2006.01)(21) International Application Number:
PCT/EP2012/053858(22) International Filing Date:
7 March 2012 (07.03.2012)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11158872.9 18 March 2011 (18.03.2011) EP(71) Applicant (for all designated States except US): **INVENTIO AG** [CH/CH]; Seestrasse 55, CH-6052 Hergiswil (CH).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **ROSSIGNOL, Eric** [BE/CH]; Via Cantonale 64, CH-6573 Magadino (CH).

(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, 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, 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, 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))

(54) Title: ENERGY MANAGEMENT SYSTEM FOR SOLAR-POWERED ELEVATOR INSTALLATION

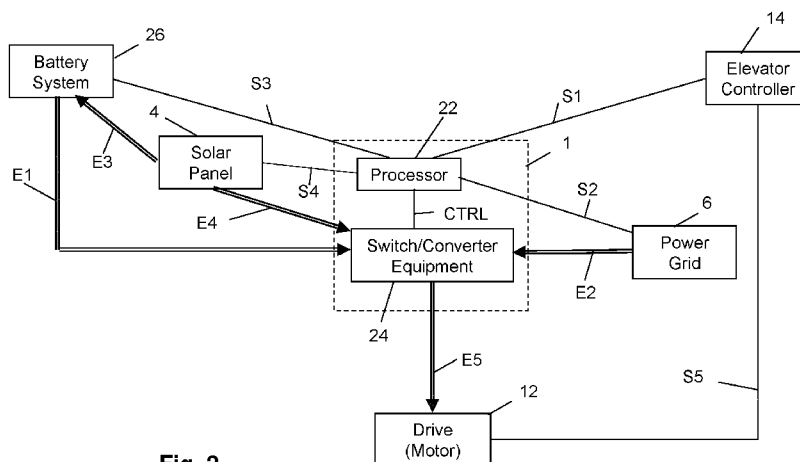


Fig. 2

(57) **Abstract:** An energy management system (1) for an elevator installation (2) coupled to a source of alternative energy (4) integrates various operational modes regarding optimization of energy usage. The energy management system (1) selectively executes these modes depending on at least one predetermined parameter of a variety of parameters. The energy management system (1) has a processor (22) and a switch module (24) coupled to the processor (22) to receive a control signal from the processor (22). Upon processing of at least one of the parameters, the processor (22) selects one of a plurality of operational modes (F1-F6) of the elevator installation (2) and generate the control signal as a function of the selected operational mode to cause via the switch module (24) an energy flow from one of the inputs of the switch module (24) to the output of the switch module (24)