



(43) International Publication Date
14 November 2013 (14.11.2013)

(51) International Patent Classification:

B23P 19/00 (2006.01) *B65G 1/04* (2006.01)
B23P 21/00 (2006.01) *B64F 5/00* (2006.01)

(21) International Application Number:

PCT/IB2013/053755

(22) International Filing Date:

9 May 2013 (09.05.2013)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data:

TO2012A000415 9 May 2012 (09.05.2012) IT

(71) Applicant: **ALENIA AERMACCHI S.P.A.** [IT/IT]; Via Ing. Paolo Foresio, 1, I-21040 Venegono Superiore (IT).

(72) Inventors: **ATTUCCI, Francesco**; Via San Giovanni Bosco, 16, I-20028 San Vittore Olona Mi (IT). **NAVARRA, Giuseppe**; Via Castagneto, 2, I-21020 Mornago VA (IT). **MAGRI, Franco**; Via Besozzi, 18, I-21038 Sangiano VA (IT). **ACQUATI, Renato**; Via Lura, 26/a, I-20017 Rho Mi (IT).

(74) Agent: **VITILLO, Giuseppe**; c/o Barzanò & Zanardo Milano S.p.A., C.so Vittorio Emanuele II, 61, I-10128 Torino (IT).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM,

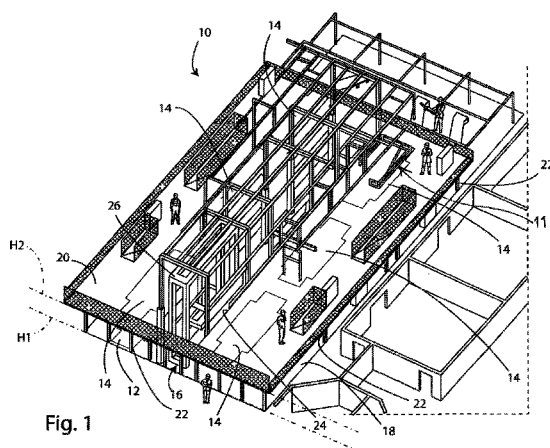
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, 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: AN INDUSTRIAL PLANT AND METHOD FOR THE PRODUCTION OF AN INDUSTRIAL PRODUCT, IN PARTICULAR AN AERONAUTICAL COMPONENT OR SYSTEM



(57) Abstract: An industrial plant (10) comprising a plurality of first operating stations (12) and a plurality of second operating stations (14), respectively placed at a first level (H1) and at a second higher level or height (H2). Each one of said operating stations (12, 14) is adapted to carry out a production activity on said industrial product, at least one of them being one among a manufacturing, processing, forming, transforming and assembling activity of an industrial product. The plant (10) comprises, furthermore, a moving system (16), which is configured to transport the industrial product, by lifting and/or lowering it, from at least one of said first operating stations (12) to at least one of said second operating stations (14). The plant (10) comprises, furthermore, a central control system (34), for controlling the moving system (16) by automatically moving said industrial product between said operating stations (12, 14) as a function of a predetermined principle and based on the state of occupancy of the operating stations (12, 14).