



- (51) International Patent Classification:
E04B 1/343 (2006.01)
- (21) International Application Number:
PCT/US2012/065674
- (22) International Filing Date:
16 November 2012 (16.11.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/561,750 18 November 2011 (18.11.2011) US
13/668,006 2 November 2012 (02.11.2012) US
- (72) Inventors; and
- (71) Applicants : AUSTIN, Douglas [US/US]; 703 16th Street, San Diego, CA 02101 (US). JENCKS, William [US/US]; 703 16th Street, San Diego, CA 92101 (US).
- (74) Agent: WENSKAY, Donald, L.; PO Box 7206, Rancho Santa Fe, CA 92067 (US).

- (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).

[Continued on next page]

- (54) Title: NON-BEARING MODULAR CONSTRUCTION SYSTEM

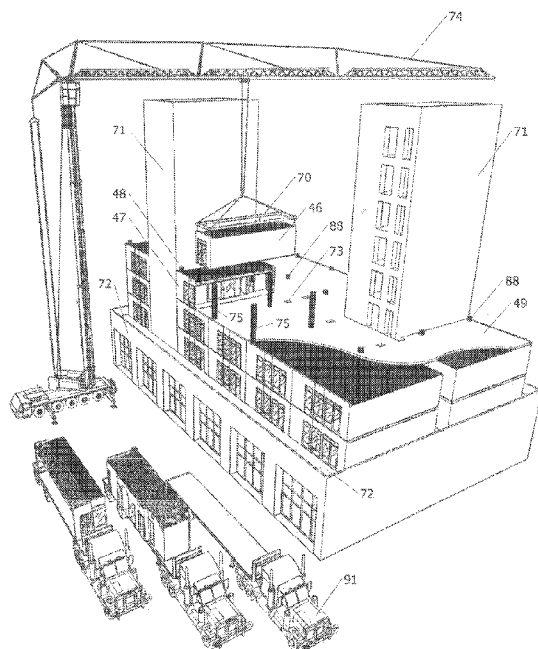


Fig. 12

(57) Abstract: Methods and apparatus facilitate the construction of a building using prefabricated building units, each having a horizontal upper exterior surface and a plurality of vertical wall surfaces, wherein at least some of the prefabricated building units have at least one hollow column formwork structure. The prefabricated building units are lowered onto a pre-existing base at a construction site. A first story of the building is created by arranging a plurality of the prefabricated building units adjacent to each other on the base. Structural bearing material is applied to fill the hollow column formwork structures to create structural columns connected to the structural deck. Structural bearing material is applied to the horizontal upper exterior surfaces of the adjacent prefabricated building units to create a single structural deck over the prefabricated building units.



Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *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))*

Published:

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

(88) Date of publication of the international search report:

11 July 2013