



- (51) **International Patent Classification:**
B66F 19/00 (2006.01) *B66C 19/00* (2006.01)
- (21) **International Application Number:**
PCT/EP2012/073607
- (22) **International Filing Date:**
26 November 2012 (26.11.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
PA 2011 70658 29 November 2011 (29.11.2011) DK
61/564,638 29 November 2011 (29.11.2011) US
- (71) **Applicant:** APM TERMINALS BV [NL/NL]; Anna van
Saksenlaan 71, NL-2593 HW Den Haag (NL).
- (72) **Inventor:** GRAPENGIESSER, Volker; Wiesengrund 23,
25436 Uetersen (DE).
- (74) **Agent:** ZACCO DENMARK A/S; Hans Bekkevolds Allé
7, DK-2900 Hellerup (DK).
- (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))

- (54) **Title:** A CRANE

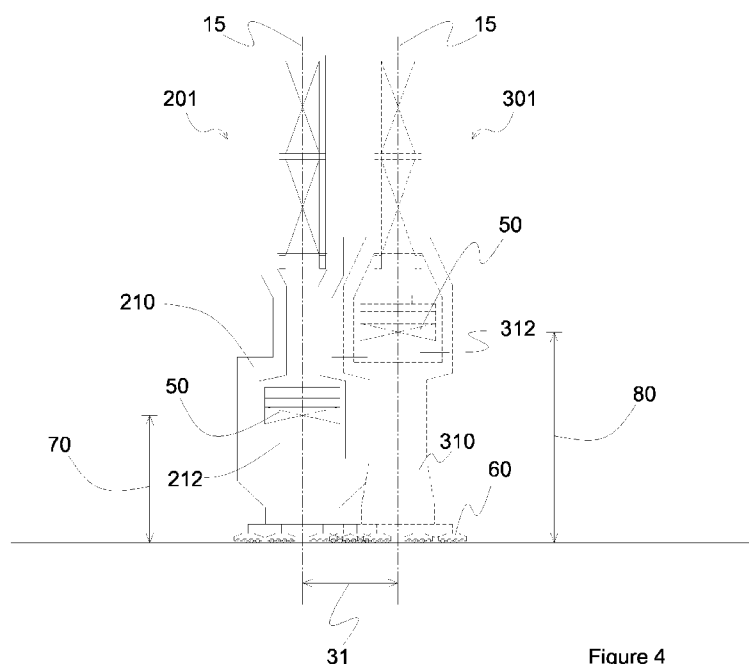


Figure 4

(57) **Abstract:** A cargo crane (1) for transferring containers (50) to and from a ship (100) berthed alongside a quay (110) is disclosed. The cargo crane (1) includes: - at least one quayside support leg (10) supported by a bogie (60) arranged to travel on a rail, - at least one landside support leg (20) supported by a bogie (60) arranged to travel on a rail, - a boom (2) configured to extend over a ship (100) berthed alongside a quay (110), - a trolley (3) displaceably connected to said boom (2), and - container lifting means (5) connected to said trolley (3). The invention is novel and inventive in that said at least one quayside support leg (10) in a first height define an outer horizontal width (A) and, in a second height, said at least one quayside support leg (10) define an inner horizontal width (B') wherein said inner horizontal width (B') in said second height is greater or less than said outer horizontal width (A) of said quayside support leg (10) in said first height.