

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
07 August 2025 (07.08.2025)



(10) International Publication Number
WO 2025/165309 A1

- (51) **International Patent Classification:**
B65D 88/22 (2006.01) *B63B 25/00* (2006.01)
- (21) **International Application Number:**
PCT/SG2025/050077
- (22) **International Filing Date:**
01 February 2025 (01.02.2025)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
10202400294U 01 February 2024 (01.02.2024) SG
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(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, 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, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

- with international search report (Art. 21(3))

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(54) **Title:** FOLDABLE CARGO BAGS DEPLOYABLE IN CARGO HOLDS, AND METHODS FOR TRANSPORTING BULK CARGO

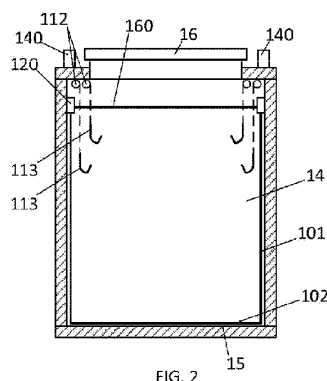


FIG. 2

(57) **Abstract:** This invention provides a foldable cargo bag (101, 101a-101c) for deploying inside a cargo hold (14, 14a-14c) of a cargo vessel (100, 100a-100c). Each cargo bag (101, 101a-101c) is formed with sidewall fold lines/creases (108) and bottom fold lines (109, 110), so that the cargo bag is foldable to open or to close; the cargo bags (101, 101a-101c) prevent direct contamination the cargo hold with bulk cargo, thus minimising cross-contamination. When the cargo bags are emptied of the bulk cargo, they are folded for stowing away to a side of the cargo hold (14, 14a-14c). The bottom base (102) may be supported with a segmented base plate (170, 170a-170c), with some edges being tiltable to accumulate residual cargo for facilitating clean discharging of the bulk cargo. Each cargo bag (101, 101a-101c) is suspended along a mouth edge by connect members (105, 105a) to roller assemblies (130), or to pivot bars (122, 122a), pivots (123, 125) and support rails (160) assemblies.

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