

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
10 February 2005 (10.02.2005)

PCT

(10) International Publication Number
WO 2005/012109 A3

(51) International Patent Classification⁷: **B65D 19/00**

OBERLIESEN, Eric [US/US]; P.O. Box 720, Monroe, MI 48161 (US).

(21) International Application Number:

PCT/US2004/024029

(74) **Agent: BARNES, Thomas, W., III**; 6285 Tri-Ridge Blvd., Loveland, OH 45140 (US).

(22) International Filing Date: 26 July 2004 (26.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/490,198 25 July 2003 (25.07.2003) US

(71) **Applicant** (for all designated States except US): **INTERNATIONAL PAPER CO.** [US/US]; 400 Atlantic Street, Stamford, CT 06921 (US).

(81) **Designated States** (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

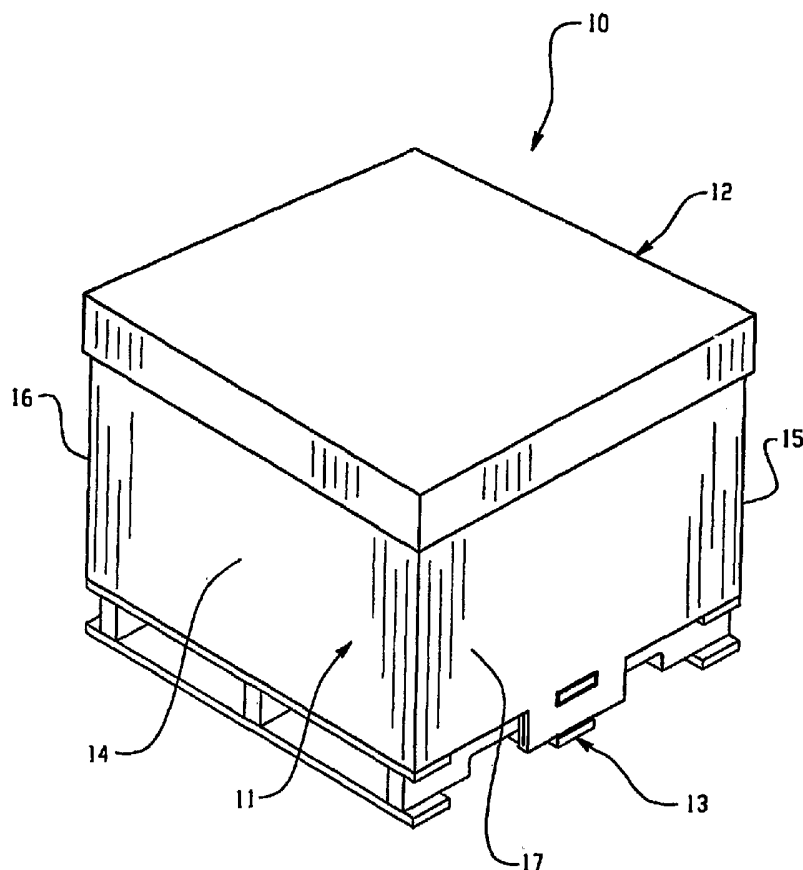
(72) **Inventors; and**

(75) **Inventors/Applicants** (for US only): **BRINGARD, Timothy, L.** [US/US]; P.O. Box 720, Monroe, MI 48161 (US).

(84) **Designated States** (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) **Title:** BULK SHIPPING BOX ASSEMBLY WITH DETACHABLE PALLET



(57) **Abstract:** A shipping box (11), shipping box and pallet assembly (10), and a blank (B1, B2, B3) for making the shipping box. The box has integral attaching tabs (38) projecting downwardly therefrom, with at least one slot (31, 32) therein for receiving an extended end (41) of at least one slat (40) on a pallet (13), to releasably attach the box to the pallet. A reinforcing insert (70) is placed in the box against opposite walls. The insert has a center panel (77) of the same width and height as the box wall against which it is placed, and double thickness end panels (78) at opposite sides of the center panel, extending perpendicular to the center panel and lying against adjacent box walls.



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) **Date of publication of the international search report:**
10 November 2005

(15) **Information about Correction:**

Previous Correction:

see PCT Gazette No. 12/2005 of 24 March 2005, Section II

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/24029

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B65D 19/00

US CL : 206/386, 599-600; 108/51.3, 56.3; 229/918-919

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 206/386, 599-600; 108/51.3, 56.3; 229/918-919

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
NONE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,976,353 A (HALLIDAY) 11 December 1990 (11.12.1990), See the entire document.	1-4, 15-18 and 21
Y		9-11, 20
Y	US 3,850,362 A (STOLLBERG et al.) 26 November 1974 (25.11.1974), See the entire document.	9-11 and 20
Y, P	US 6,719,191 B1 (CHRISTENSEN et al.) 13 April 2004 (13.04.2004), See the entire document.	9-11 and 20
A	US 3,708,861 A (HICKEY) 09 January 1973 (09.01.1973), See the entire document.	1-21
A	US 3,608,813 A (BLASDELL) 28 September 1971 (28.09.1971), See the entire document.	1-21
A	US 2,729,383 A (KING) 14 January 1953 (14.01.1953), See the entire document.	1-21

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

17 August 2005 (17.08.2005)

Date of mailing of the international search report

07 SEP 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Linda Sholl

Telephone No. (571) 272-5006

Sheila H. Veney
Paralegal Specialist
Tech. Center 3700