



(51) International Patent Classification:

B31D 5/00 (2006.01) *F16M 11/04* (2006.01)
F16M 11/00 (2006.01) *F16M 11/08* (2006.01)
A47B 9/00 (2006.01) *B66F 7/06* (2006.01)
A47B 46/00 (2006.01)

(21) International Application Number:

PCT/US2016/032382

(22) International Filing Date:

13 May 2016 (13.05.2016)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/161,122 13 May 2015 (13.05.2015) US
62/315,967 31 March 2016 (31.03.2016) US

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(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, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, 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, SA, 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, 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, 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).

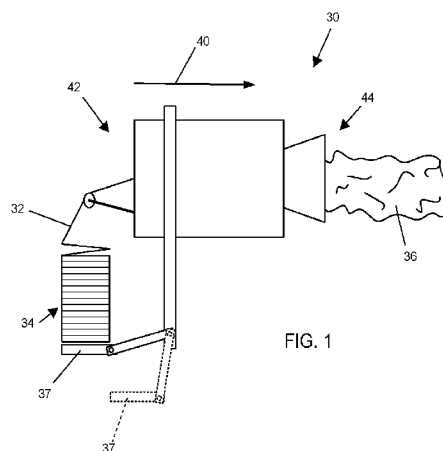
Published:

- 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))

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

29 December 2016

(54) Title: STOCK SUPPLY ASSEMBLY AND METHOD FOR LOADING A DUNNAGE CONVERSION MACHINE



(57) Abstract: A stock supply assembly (34) for a dunnage conversion machine (30) includes a stock material support having a support structure, such as a shelf (37) for a stack of fan-folded sheet stock material (32). The shelf is movable between a relatively lower loading position and a relatively higher operating position vertically displaced relative to the loading position. In the process, the support structure maintains a consistent orientation as the support structure moves between the loading position and the operating position.



INTERNATIONAL SEARCH REPORT

International application No
PCT/US2016/032382

A. CLASSIFICATION OF SUBJECT MATTER

INV. B31D5/00 F16M11/00 A47B9/00 A47B46/00 F16M11/04
F16M11/08
ADD. B66F7/06

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)

B31D F16M A47B B65H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2004/142806 A1 (COPPUS DAN [NL] ET AL) 22 July 2004 (2004-07-22) paragraph [0064] - paragraph [0065]; figure 19	1-3,12, 13 4,5
X Y	----- US 2 545 515 A (GANNETT WRIGHT K ET AL) 20 March 1951 (1951-03-20) column 1, line 1 - line 5; figures 1-3	1-5,11 12,13
X Y	----- US 4 249 749 A (COLLIER LEROY [US]) 10 February 1981 (1981-02-10) column 1, line 25 - line 30; figure 1	1-5,11 12,13
X A	----- US 2015/122758 A1 (TELTHÖRSTER DIRK [DE] ET AL) 7 May 2015 (2015-05-07) paragraph [0001]; figures 5-10	1-5,10 11-14
	----- -/-	

☒ 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 but 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)

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"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

10 November 2016

Date of mailing of the international search report

21/11/2016

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2016/032382

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 10 2012 110389 A1 (LENZ PAUL [DE]) 30 April 2014 (2014-04-30)	1-5,10
A	figures 1-4 -----	11-14
Y	US 5 882 767 A (SIMMONS JR JAMES A [US]) 16 March 1999 (1999-03-16) column 4, line 42 - line 64; figure 1 -----	12,13

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2016/032382

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
1-5, 10-14
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-5, 10, 11

Stock supply assembly maintaining consistent orientation...

1.1. claims: 1-3

...and having a shelf.

1.2. claims: 4, 5

...and having a pair of linkages (claim 5 as dependent on claim 4).

1.3. claim: 10

...and having a linkage mechanism with a handle (claim 10 as dependent on claim 4).

1.4. claim: 11

...and having a rotatable frame.

2. claims: 6-9

Stock supply assembly maintaining consistent orientation and having a linkage mechanism with a latching mechanism (claims 6-9 as dependent on claim 4).

3. claims: 12-14

Stock supply assembly maintaining consistent orientation in combination with a dunnage conversion machine.

4. claims: 15-19

Method of loading and converting a sheet stock material.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2016/032382

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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