



US00RE46645E

(19) **United States**
(12) **Reissued Patent**
Oren

(10) **Patent Number:** **US RE46,645 E**
(45) **Date of Reissued Patent:** **Dec. 26, 2017**

(54) **TRAILER FOR PROPPANT CONTAINERS**

(71) Applicant: **Oren Technologies, LLC**, Houston, TX (US)

(72) Inventor: **Joshua Oren**, Houston, TX (US)

(73) Assignee: **OREN TECHNOLOGIES, LLC**, Houston, TX (US)

(21) Appl. No.: **29/537,565**

(22) Filed: **Aug. 27, 2015**

Related U.S. Patent Documents

Reissue of:

(64) Patent No.: **Des. 688,597**
Issued: **Aug. 27, 2013**
Appl. No.: **29/451,676**
Filed: **Apr. 5, 2013**

(51) **LOC (10) Cl.** **12-10**

(52) **U.S. Cl.**
USPC **D12/101**

(58) **Field of Classification Search**
USPC D12/93, 94, 95, 96, 97, 98, 99, 101, 102,
D12/104, 105, 431, 433

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

137,871 A 4/1873 Worsley
150,894 A 5/1874 Safely

(Continued)

FOREIGN PATENT DOCUMENTS

CA 2023138 2/1992
CA 2791088 3/2013

(Continued)

OTHER PUBLICATIONS

SandBox Logistics, LLC, screenshots from video dated Sep. 19, 2013.

(Continued)

Primary Examiner — Phillip S Hyder

(74) *Attorney, Agent, or Firm* — Hogan Lovells US LLP

(57) **CLAIM**

The ornamental design for a trailer for proppant containers, as shown and described.

DESCRIPTION

FIG. 1 is an upper perspective view of [the] a trailer for proppant containers [showing] *embodying* my new design.

FIG. 2 is a side elevation view [thereof] *of the embodiment of FIG. 1;*

FIG. 3 is an opposite side elevation view [thereof] *of the embodiment of FIG. 1;*

FIG. 4 is a front elevation view [thereof] *of the embodiment of FIG. 1;*

FIG. 5 is a rear elevation view [thereof] *of the embodiment of FIG. 1;*

FIG. 6 is a top plan view [thereof] *of the embodiment of FIG. 1;* and,

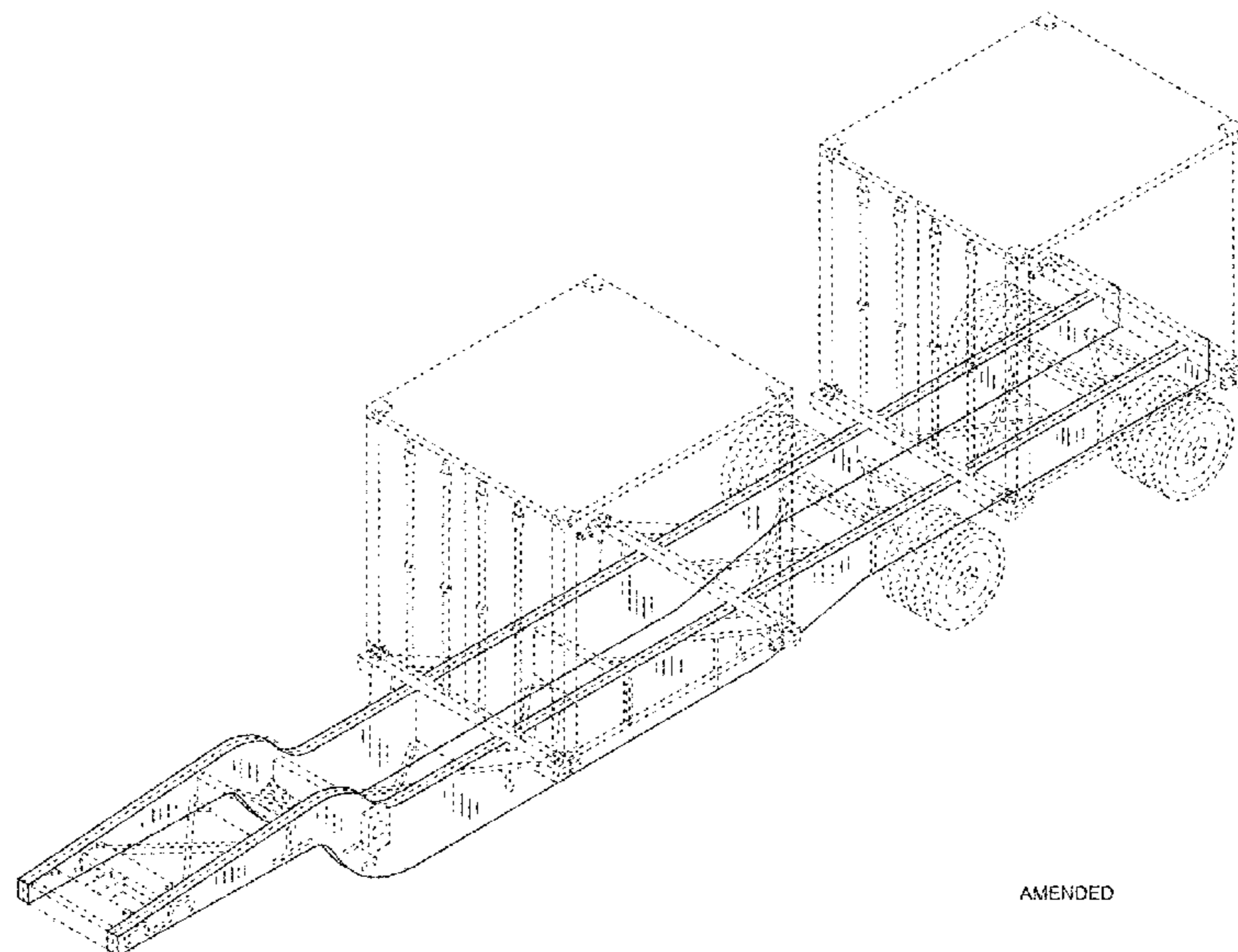
FIG. 7 is a bottom plan view [thereof] *of the embodiment of FIG. 1.*

[The features presented in broken lines are for environmental purposes only and form no part of the claimed design.]

The broken lines depict portions of the trailer for proppant containers in which the design is embodied that are not considered part of the claimed design.

1 Claim, 3 Drawing Sheets

Matter enclosed in heavy brackets [] appears in the original patent but forms no part of this reissue; matter printed in italics indicates the additions made by reissue.



AMENDED

US RE46,645 E

Page 2

| | | | |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (58) | Field of Classification Search CPC B62D 33/02; B62D 53/06; B62D 53/061; B62D 53/065; B62D 53/08; B62D 21/02; B62D 21/20; B60P 3/22; B60P 3/2215 See application file for complete search history. | 3,396,675 A 3,397,654 A 3,406,995 A 3,407,971 A 3,425,599 A 3,455,474 A 3,499,694 A 3,508,762 A 3,524,567 A 3,528,570 A 3,561,633 A 3,587,834 A 3,596,609 A 3,601,244 A 3,602,400 A 3,650,567 A 3,653,521 A 3,661,293 A 3,692,363 A 3,704,797 A 3,721,199 A 3,729,121 A 3,734,215 A 3,738,511 A 3,752,511 A 3,777,909 A 3,785,534 A 3,800,712 A 3,802,584 A 3,817,261 A 3,820,762 A 3,827,578 A 3,840,141 A 3,854,612 A 3,861,716 A 3,883,005 A 3,909,223 A 3,933,100 A 3,963,149 A 3,970,123 A 3,986,708 A 3,997,089 A 4,003,301 A 4,004,700 A 4,057,153 A 4,058,239 A 4,063,656 A 4,073,410 A 4,125,195 A 4,138,163 A 4,178,117 A 4,204,773 A 4,210,273 A 4,210,963 A RE30,358 E 4,222,498 A 4,227,732 A 4,232,884 A 4,239,424 A 4,245,820 A 4,247,228 A 4,247,370 A 4,258,953 A 4,265,266 A 4,278,190 A 4,282,988 A 4,287,921 A 4,287,997 A 4,289,353 A 4,299,597 A 4,306,895 A 4,329,106 A 4,350,241 A 4,359,176 A 4,363,396 A 4,397,406 A 4,398,653 A 4,402,392 A 4,407,202 A | 8/1968 Stevens 8/1968 Snyder 10/1968 McCarthy 10/1968 Oehler 2/1969 Sammarco et al. 7/1969 Truncali 3/1970 Coppel 4/1970 Pratt 8/1970 Coleman 9/1970 Pase 2/1971 Morrison et al. 6/1971 Dugge 8/1971 Ortner 8/1971 Ort et al. 8/1971 Cooke 3/1972 Danielson 4/1972 Bridge 5/1972 Gerhard et al. 9/1972 Tenebaum et al. 12/1972 Suykens 3/1973 Hassenauer 4/1973 Cannon 5/1973 Smith 6/1973 Lemon et al. 8/1973 Racy 12/1973 Rheinfrank 1/1974 Smith 4/1974 Krug, Jr. 4/1974 Sackett 6/1974 Rogge 6/1974 Bostrom et al. 8/1974 Hough 10/1974 Allom et al. 12/1974 Snape 1/1975 Baxter et al. 5/1975 Stevens 9/1975 Schmidt 1/1976 Dugge 6/1976 Fassauer 7/1976 Poulton et al. 10/1976 Hellzel et al. 12/1976 Clarke et al. 1/1977 Norton 1/1977 Empey 11/1977 Weaver 11/1977 Van Mill 12/1977 Lambert 2/1978 Melcher 11/1978 Sasadi 2/1979 Calvert et al. 12/1979 Brugler 5/1980 Bates 7/1980 Hegele 7/1980 Ricciardi et al. 8/1980 Sensibar 9/1980 Brock 10/1980 Kish 11/1980 DeWitt 12/1980 Pavolka 1/1981 Muryn 1/1981 Gray et al. 1/1981 Nijhawan et al. 3/1981 Johnson 5/1981 Kierbow et al. 7/1981 Oory et al. 8/1981 Hulbert, Jr. 9/1981 Sanford 9/1981 Rolfe et al. 9/1981 Merritt 11/1981 Oetiker et al. 12/1981 Thompson et al. 5/1982 Adler 9/1982 Wenzel 11/1982 Johnson 12/1982 Wolf et al. 8/1983 Croley 8/1983 Daloisio 9/1983 Fabian et al. 10/1983 McCormick |
| (56) | References Cited U.S. PATENT DOCUMENTS 384,443 A 6/1888 Hoover 448,238 A 3/1891 Johnson 711,632 A 10/1902 Johnson 917,649 A 4/1909 Otto 1,143,641 A 6/1915 McGregor 1,331,883 A 2/1920 Stuart 1,344,768 A 6/1920 Messiter 1,434,488 A 11/1922 Forsythe et al. 1,520,560 A 12/1923 Burno 1,506,936 A 9/1924 Lea 1,526,527 A 2/1925 Butler 1,573,664 A 2/1926 Wetherill 1,807,447 A 5/1931 Smith 1,850,000 A 3/1932 Fernand 1,932,320 A 10/1933 Steward 1,973,312 A 9/1934 Hardinge 2,020,628 A 11/1935 Woodruff 2,233,005 A 2/1941 Garlinghouse 2,255,448 A 9/1941 Morris 2,293,160 A 8/1942 Miller et al. 2,368,672 A 2/1945 McNamara 2,381,103 A 8/1945 Frank 2,385,245 A 9/1945 Willoughby 2,423,879 A 7/1947 De Frees 2,564,020 A 8/1951 Mengel 2,603,342 A 7/1952 Martinson 2,616,758 A 11/1952 Meyers 2,622,771 A 12/1952 Tulou 2,652,174 A 9/1953 Shea et al. 2,670,866 A 3/1954 Glesby 2,678,145 A 5/1954 Ejuzwiak et al. 2,693,282 A 11/1954 Sensibar 2,700,574 A 1/1955 Tourneau 2,792,262 A 4/1955 Hathorn 2,774,515 A 12/1956 Johansson et al. 2,791,973 A 5/1957 Dorey 2,801,125 A 7/1957 Page et al. 2,808,164 A 10/1957 Glendinning 2,812,970 A 11/1957 Martinson 2,837,369 A 6/1958 Stopps 2,865,521 A 12/1958 Fisher et al. 2,873,036 A 2/1959 Noble 2,894,666 A 7/1959 Campbell, Jr. 2,988,235 A 6/1961 Ronyak 2,994,460 A 8/1961 Matthews 3,041,113 A 6/1962 Sackett 3,049,248 A 8/1962 Heltzel et al. 3,064,832 A 11/1962 Heltzel 3,083,879 A 4/1963 Coleman 3,090,527 A 5/1963 Rensch 3,109,389 A 11/1963 Karlsson 3,122,258 A 2/1964 Raymond 3,135,432 A 6/1964 McKinney 3,163,127 A 12/1964 Gutridge et al. 3,187,684 A 6/1965 Ortner 3,198,494 A 8/1965 Curran et al. 3,199,585 A 8/1965 Cronberger 3,248,026 A 4/1966 Kemp 3,255,927 A 6/1966 Ruppert et al. 3,265,443 A 8/1966 Simas 3,270,921 A 9/1966 Nadolske et al. 3,281,006 A 10/1966 Tohchung 3,294,306 A 12/1966 Areddy 3,318,473 A 5/1967 Jones et al. 3,353,599 A 11/1967 Swift 3,354,918 A 11/1967 Coleman 3,378,152 A 4/1968 Warner 3,387,570 A 6/1968 Pulcrano et al. | 3,396,675 A 3,397,654 A 3,406,995 A 3,407,971 A 3,425,599 A 3,455,474 A 3,499,694 A 3,508,762 A 3,524,567 A 3,528,570 A 3,561,633 A 3,587,834 A 3,596,609 A 3,601,244 A 3,602,400 A 3,650,567 A 3,653,521 A 3,661,293 A 3,692,363 A 3,704,797 A 3,721,199 A 3,729,121 A 3,734,215 A 3,738,511 A 3,752,511 A 3,777,909 A 3,785,534 A 3,800,712 A 3,802,584 A 3,817,261 A 3,820,762 A 3,827,578 A 3,840,141 A 3,854,612 A 3,861,716 A 3,883,005 A 3,909,223 A 3,933,100 A 3,963,149 A 3,970,123 A 3,986,708 A 3,997,089 A 4,003,301 A 4,004,700 A 4,057,153 A 4,058,239 A 4,063,656 A 4,073,410 A 4,125,195 A 4,138,163 A 4,178,117 A 4,204,773 A 4,210,273 A 4,210,963 A RE30,358 E 4,222,498 A 4,227,732 A 4,232,884 A 4,239,424 A 4,245,820 A 4,247,228 A 4,247,370 A 4,258,953 A 4,265,266 A 4,278,190 A 4,282,988 A 4,287,921 A 4,287,997 A 4,289,353 A 4,299,597 A 4,306,895 A 4,329,106 A 4,350,241 A 4,359,176 A 4,363,396 A 4,397,406 A 4,398,653 A 4,402,392 A 4,407,202 A | |

(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|---------------|---------|----------------------------------------|----------------|---------|---------------------------------------|
| 4,408,886 A | 10/1983 | Sampson et al. | 5,358,137 A | 10/1994 | Shuert et al. |
| 4,410,106 A | 10/1983 | Kierbow et al. | 5,373,792 A | 12/1994 | Pileggi et al. |
| 4,420,285 A | 12/1983 | Loyer et al. | 5,392,946 A | 2/1995 | Holbrook et al. |
| 4,427,133 A | 1/1984 | Kierbow et al. | 5,402,915 A | 4/1995 | Hogan |
| 4,428,504 A | 1/1984 | Bassett et al. | 5,413,154 A | 5/1995 | Hurst et al. |
| 4,449,861 A | 5/1984 | Saito et al. | 5,429,259 A | 7/1995 | Robin |
| 4,453,645 A | 6/1984 | Usui et al. | 5,441,321 A | 8/1995 | Karpisek |
| 4,474,204 A | 10/1984 | West | 5,445,289 A | 8/1995 | Owen |
| 4,475,672 A | 10/1984 | Whitehead | 5,465,829 A | 11/1995 | Kruse |
| 4,478,155 A | 10/1984 | Cena et al. | 5,470,175 A | 11/1995 | Jensen et al. |
| 4,483,462 A | 11/1984 | Heintz | 5,470,176 A | 11/1995 | Corcoran et al. |
| 4,525,071 A | 6/1985 | Horowitz | 5,493,852 A | 2/1996 | Stewart |
| 4,526,353 A | 7/1985 | Stomp | 5,507,514 A | 4/1996 | Jacques |
| 4,532,098 A | 7/1985 | Campbell | 5,538,286 A | 7/1996 | Hoff |
| 4,552,573 A | 11/1985 | Weis | 5,549,278 A | 8/1996 | Sidler |
| 4,569,394 A | 2/1986 | Sweatman et al. | 5,564,599 A | 10/1996 | Barber et al. |
| 4,571,143 A | 2/1986 | Hellerich | 5,570,743 A | 11/1996 | Padgett et al. |
| 4,608,931 A | 9/1986 | Ruhmann et al. | 5,590,976 A | 1/1997 | Kilheffer et al. |
| 4,619,531 A | 10/1986 | Dunstan | 5,601,181 A | 2/1997 | Lindhorst |
| 4,624,729 A | 11/1986 | Bresciani et al. | 5,602,761 A | 2/1997 | Spoerre et al. |
| 4,626,155 A | 12/1986 | Hlinsky et al. | 5,613,446 A | 3/1997 | DiLuigi et al. |
| 4,626,166 A | 12/1986 | Jolly | 5,617,974 A | 4/1997 | Sawyer |
| 4,628,825 A | 12/1986 | Taylor et al. | 5,647,514 A | 7/1997 | Toth et al. |
| 4,660,733 A | 4/1987 | Snyder et al. | RE35,580 E | 8/1997 | Heider et al. |
| 4,701,095 A | 10/1987 | Berryman et al. | 5,667,298 A | 9/1997 | Musil |
| 4,715,754 A | 12/1987 | Scully | 5,687,881 A | 11/1997 | Rouse et al. |
| 4,738,774 A | 4/1988 | Patrick | 5,690,466 A | 11/1997 | Gaddis et al. |
| 4,741,273 A | 5/1988 | Sherwood | 5,697,535 A | 12/1997 | Coleman |
| 4,801,389 A | 1/1989 | Brannon et al. | 5,706,614 A | 1/1998 | Wiley et al. |
| 4,819,830 A | 4/1989 | Schultz | 5,718,555 A | 2/1998 | Swalheim |
| 4,836,735 A | 6/1989 | Dennehy | 5,722,552 A | 3/1998 | Olson |
| 4,848,605 A | 7/1989 | Wise | 5,722,688 A | 3/1998 | Garcia |
| 4,882,784 A | 11/1989 | Tump | 5,746,258 A | 5/1998 | Huck |
| 4,889,219 A | 12/1989 | Key | 5,761,854 A | 6/1998 | Johnson et al. |
| 4,901,649 A | 2/1990 | Fehrenbach et al. | 5,762,222 A | 6/1998 | Liu |
| 4,909,378 A | 3/1990 | Webb | 5,772,390 A | 6/1998 | Walker |
| 4,909,556 A | 3/1990 | Koskinen | 5,782,524 A | 7/1998 | Heider et al. |
| 4,917,019 A | 4/1990 | Hesch et al. | 5,785,421 A | 7/1998 | Milek |
| 4,919,583 A | 4/1990 | Speakman, Jr. | 5,803,296 A | 9/1998 | Olson |
| 4,923,358 A | 5/1990 | Van Mill | 5,806,863 A | 9/1998 | Heger et al. |
| 4,946,068 A | 8/1990 | Erickson et al. | 5,836,480 A | 11/1998 | Epp et al. |
| 4,947,760 A | 8/1990 | Dawson et al. | 5,845,799 A | 12/1998 | Deaton |
| 4,954,975 A | 9/1990 | Kalata | 5,876,172 A | 3/1999 | Di Rosa |
| 4,956,821 A | 9/1990 | Fenelon | 5,906,471 A | 5/1999 | Schwoerer |
| 4,964,243 A | 10/1990 | Reiter | 5,911,337 A | 6/1999 | Bedeker |
| 4,969,659 A * | 11/1990 | Ehrlich B62D 53/067 280/407.1 | 5,927,558 A | 7/1999 | Bruce |
| 4,975,205 A | 12/1990 | Sloan | 5,960,974 A | 10/1999 | Kee |
| 4,995,522 A | 2/1991 | Barr | 5,971,219 A | 10/1999 | Karpisek |
| 5,004,400 A | 4/1991 | Handke | 5,993,202 A | 11/1999 | Yamazaki et al. |
| 5,042,538 A | 8/1991 | Wiese | 5,997,099 A | 12/1999 | Collins |
| 5,069,352 A | 12/1991 | Harbolt et al. | 6,002,063 A | 12/1999 | Bilak et al. |
| 5,080,259 A | 1/1992 | Hadley | 6,006,918 A | 12/1999 | Hart |
| 5,082,304 A | 1/1992 | Preller | D418,451 S * | 1/2000 | Konecheck D12/101 |
| 5,102,281 A | 4/1992 | Handke | 6,069,118 A | 5/2000 | Hinkel et al. |
| 5,102,286 A | 4/1992 | Fenton | 6,077,068 A | 6/2000 | Okumura |
| 5,105,858 A | 4/1992 | Levinson | 6,092,974 A | 7/2000 | Roth |
| 5,131,524 A | 7/1992 | Uehara | 6,109,486 A | 8/2000 | Lee |
| 5,183,371 A * | 2/1993 | O'Daniel B60P 1/6427 280/656 | 6,120,233 A | 9/2000 | Adam |
| 5,190,182 A | 3/1993 | Copas et al. | D431,358 S | 10/2000 | Willemsen |
| 5,195,861 A | 3/1993 | Handke | 6,155,175 A | 12/2000 | Rude et al. |
| 5,199,826 A | 4/1993 | Lawrence | 6,186,654 B1 | 2/2001 | Gunteret et al. |
| 5,201,546 A | 4/1993 | Lindsay | 6,190,107 B1 | 2/2001 | Lanigan et al. |
| 5,224,635 A | 7/1993 | Wise | 6,192,985 B1 | 2/2001 | Hinkel et al. |
| 5,253,746 A | 10/1993 | Friesen et al. | 6,196,590 B1 | 3/2001 | Kim |
| 5,253,776 A | 10/1993 | Decroix et al. | 6,205,938 B1 | 3/2001 | Foley et al. |
| 5,265,763 A | 11/1993 | Heinrici et al. | 6,247,594 B1 | 6/2001 | Garton |
| 5,286,158 A | 2/1994 | Zimmerman | 6,263,803 B1 | 7/2001 | Dohr et al. |
| 5,290,139 A | 3/1994 | Hedrick | 6,269,849 B1 | 8/2001 | Fields |
| 5,317,783 A | 6/1994 | Williamson | 6,273,154 B1 | 8/2001 | Laug |
| 5,320,046 A | 6/1994 | Hesch | 6,283,212 B1 | 9/2001 | Hinkel et al. |
| 5,324,097 A | 6/1994 | DeCap | 6,286,986 B2 | 9/2001 | Grimland |
| 5,339,996 A | 8/1994 | Dubbart | 6,296,109 B1 | 10/2001 | Nohl |
| 5,345,982 A | 9/1994 | Nadeau et al. | 6,306,800 B1 | 10/2001 | Samuel et al. |
| | | | 6,318,746 B1 * | 11/2001 | McCrary B62D 53/00 280/411.1 |
| | | | 6,328,156 B1 | 12/2001 | Otsman |
| | | | 6,328,183 B1 | 12/2001 | Coleman |
| | | | 6,364,584 B1 | 4/2002 | Taylor |
| | | | 6,374,915 B1 | 4/2002 | Andrews |

(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | |
|----------------|---------|-----------------------------------------|-------------------|---------|-------------------------------------------|
| 6,382,446 B1 | 5/2002 | Hinkle et al. | 7,858,888 B2 | 12/2010 | Lucas et al. |
| 6,390,742 B1 | 5/2002 | Breeden | 7,867,613 B2 | 1/2011 | Smith |
| D459,287 S * | 6/2002 | Beard et al. D12/406 | 7,891,304 B2 | 2/2011 | Herzog et al. |
| 6,401,983 B1 | 6/2002 | McDonald et al. | 7,891,523 B2 | 2/2011 | Mehus et al. |
| 6,412,422 B2 | 7/2002 | Dohr et al. | 7,896,198 B2 | 3/2011 | Mehus et al. |
| 6,415,909 B1 | 7/2002 | Mitchell et al. | 7,921,783 B2 | 4/2011 | Forbes et al. |
| 6,416,271 B1 | 7/2002 | Pigott et al. | 7,967,161 B2 | 6/2011 | Townsend |
| 6,425,725 B1 | 7/2002 | Ehlers | 7,980,803 B2 | 7/2011 | Brandstätter et al. |
| 6,457,291 B2 | 10/2002 | Wick | 7,997,623 B2 | 8/2011 | Williams |
| 6,498,976 B1 | 12/2002 | Ehlbeck et al. | 8,083,083 B1 | 12/2011 | Mohns |
| 6,505,760 B1 | 1/2003 | Werner | D660,748 S * | 5/2012 | Cooley D12/101 |
| 6,508,387 B1 | 1/2003 | Simon et al. | 8,201,520 B2 | 6/2012 | Meritt |
| 6,508,615 B2 | 1/2003 | Taylor | 8,313,278 B2 | 11/2012 | Simmons et al. |
| 6,523,482 B2 | 2/2003 | Wingate | 8,366,349 B2 | 2/2013 | Beachner |
| 6,537,002 B2 | 3/2003 | Gloystein | 8,375,690 B2 | 2/2013 | LaFargue et al. |
| 6,575,614 B2 | 6/2003 | Tosco et al. | 8,379,927 B2 | 2/2013 | Taylor |
| 6,660,693 B2 | 12/2003 | Miller et al. | 8,387,824 B2 | 3/2013 | Wietgreffe |
| 6,663,373 B2 | 12/2003 | Yoshida | 8,393,502 B2 | 3/2013 | Renyer et al. |
| 6,666,573 B2 | 12/2003 | Grassi | 8,424,666 B2 | 4/2013 | Berning et al. |
| 6,675,073 B2 | 1/2004 | Kieman et al. | D688,351 S | 8/2013 | Oren |
| 6,705,449 B2 | 3/2004 | Wagstaffe | 8,505,780 B2 | 8/2013 | Oren |
| 6,720,290 B2 | 4/2004 | England et al. | 8,544,419 B1 | 10/2013 | Spalding et al. |
| 6,772,912 B1 | 8/2004 | Schall et al. | 8,545,148 B2 | 10/2013 | Wanek-Pusset et al. |
| 6,774,318 B2 | 8/2004 | Beal et al. | 8,562,022 B2 | 10/2013 | Nadeau et al. |
| 6,776,235 B1 | 8/2004 | England | 8,573,387 B2 | 11/2013 | Trimble |
| 6,783,032 B2 | 8/2004 | Fons | 8,573,917 B2 | 11/2013 | Renyer |
| 6,811,048 B2 | 11/2004 | Lau | 8,585,341 B1 | 11/2013 | Oren |
| 6,828,280 B2 | 12/2004 | England et al. | D694,670 S * | 12/2013 | Oren D12/101 |
| 6,835,041 B1 | 12/2004 | Albert | 8,616,370 B2 | 12/2013 | Allegretti |
| 6,882,960 B2 | 4/2005 | Miller | 8,622,251 B2 | 1/2014 | Oren |
| 6,902,061 B1 | 6/2005 | Elstone | 8,636,832 B2 | 1/2014 | Stutzman et al. |
| 6,915,854 B2 | 7/2005 | England et al. | 8,646,641 B2 | 2/2014 | Moir |
| 6,935,668 B1 * | 8/2005 | Summers B60P 3/002 280/143 | 8,668,430 B2 | 3/2014 | Oren |
| 6,953,119 B1 | 10/2005 | Wening | D703,582 S | 4/2014 | Oren |
| 6,955,127 B2 | 10/2005 | Taylor | 8,820,559 B2 | 9/2014 | Beitler et al. |
| 6,964,551 B1 | 11/2005 | Friesen | 8,827,118 B2 | 9/2014 | Oren |
| 6,968,946 B2 | 11/2005 | Shuert | 8,887,914 B2 | 11/2014 | Allegretti |
| 6,974,021 B1 | 12/2005 | Boevers | 8,905,266 B2 | 12/2014 | De Brabanter |
| D513,717 S * | 1/2006 | Wittkowski D12/101 | 8,915,691 B2 | 12/2014 | Mintz |
| 7,008,163 B2 | 3/2006 | Russell | 9,051,801 B1 | 6/2015 | Mintz |
| 7,051,661 B2 | 5/2006 | Herzog et al. | 9,052,034 B1 | 6/2015 | Wegner et al. |
| D522,409 S * | 6/2006 | Wittkowski D12/101 | D740,556 S | 10/2015 | Huber |
| 7,084,095 B2 | 8/2006 | Lee et al. | 9,162,261 B1 | 10/2015 | Smith |
| 7,104,425 B2 | 9/2006 | Le Roy | 9,267,266 B2 | 2/2016 | Cutler et al. |
| 7,140,516 B2 | 11/2006 | Bothor | 9,309,064 B2 | 4/2016 | Sheesley |
| 7,146,914 B2 | 12/2006 | Morton et al. | D780,883 S | 3/2017 | Schaffner et al. |
| 7,201,290 B2 | 4/2007 | Mehus et al. | D783,771 S | 4/2017 | Stegemoeller et al. |
| 7,214,028 B2 | 5/2007 | Boasso | D783,772 S | 4/2017 | Stegemoeller, III et al. |
| 7,240,681 B2 | 7/2007 | Saik | 9,656,701 B2 * | 5/2017 | Booher B62D 53/061 |
| 7,252,309 B2 | 8/2007 | Eng Goh | 2001/0022308 A1 | 9/2001 | Epp et al. |
| 7,284,579 B2 | 10/2007 | Elgan et al. | 2001/0045338 A1 | 11/2001 | Ransil et al. |
| 7,284,670 B2 | 10/2007 | Schmid | 2002/0134550 A1 | 9/2002 | Leeson et al. |
| 7,316,333 B2 | 1/2008 | Wegner | 2002/0139643 A1 | 10/2002 | Peltier et al. |
| 7,367,271 B2 | 5/2008 | Early | 2003/0006248 A1 | 1/2003 | Gill et al. |
| 7,377,219 B2 | 5/2008 | Brandt | 2003/0062707 A1 * | 4/2003 | Koch 280/401 |
| D574,755 S * | 8/2008 | Thurm D12/101 | 2003/0111470 A1 | 6/2003 | Fouillet et al. |
| 7,410,623 B2 | 8/2008 | Mehus et al. | 2003/0145418 A1 | 8/2003 | Ikeda et al. |
| 7,452,000 B2 * | 11/2008 | Winter et al. 280/656 | 2003/0156929 A1 | 8/2003 | Russell |
| 7,475,796 B2 | 1/2009 | Garton | 2004/0065699 A1 | 4/2004 | Schoer et al. |
| 7,475,901 B2 * | 1/2009 | Winter et al. 280/656 | 2004/0074922 A1 | 4/2004 | Bother et al. |
| 7,500,817 B2 | 3/2009 | Furrer et al. | 2004/0084874 A1 | 5/2004 | McDougall et al. |
| 7,513,280 B2 | 4/2009 | Brashears et al. | 2004/0206646 A1 | 10/2004 | Goh |
| 7,591,386 B2 | 9/2009 | Hooper | 2004/0245284 A1 | 12/2004 | Mehus et al. |
| 7,640,075 B2 | 12/2009 | Wietgreffe | 2005/0093273 A1 * | 5/2005 | McDonell 280/656 |
| 7,651,117 B1 * | 1/2010 | McGee 280/656 | 2005/0158158 A1 | 7/2005 | Porta |
| 7,695,538 B2 | 4/2010 | Cheng | 2005/0201851 A1 | 9/2005 | Jonkka |
| 7,753,637 B2 | 7/2010 | Benedict et al. | 2006/0012183 A1 | 1/2006 | Marchiori et al. |
| 7,798,558 B2 * | 9/2010 | Messier B62D 25/2054 296/184.1 | 2006/0027582 A1 | 2/2006 | Beach |
| 7,802,958 B2 | 9/2010 | Garcia et al. | 2006/0053582 A1 | 3/2006 | Engel et al. |
| 7,803,321 B2 | 9/2010 | Lark et al. | 2006/0091072 A1 | 5/2006 | Schmid et al. |
| 7,837,427 B2 | 11/2010 | Beckel | 2006/0151058 A1 | 7/2006 | Salaoras et al. |
| 7,841,394 B2 | 11/2010 | McNeel et al. | 2006/0180062 A1 | 8/2006 | Furrer et al. |
| 7,845,516 B2 | 12/2010 | Pessin et al. | 2006/0180232 A1 | 8/2006 | Glewwe et al. |
| | | | 2006/0239806 A1 | 10/2006 | Yelton |
| | | | 2006/0267377 A1 | 11/2006 | Lusk et al. |
| | | | 2006/0277783 A1 | 12/2006 | Garton |
| | | | 2006/0289166 A1 * | 12/2006 | Stromquist E21B 43/267 166/305.1 |
| | | | 2007/0096537 A1 | 5/2007 | Hicks |

(56)

References Cited

FOREIGN PATENT DOCUMENTS

U.S. PATENT DOCUMENTS

| | | | | |
|--------------|-----|---------|--------------------|-------------------------|
| 2007/0125543 | A1 | 6/2007 | McNeel et al. | |
| 2008/0008562 | A1 | 1/2008 | Beckel et al. | |
| 2008/0017905 | A1 | 1/2008 | Eppich | |
| 2008/0029546 | A1 | 2/2008 | Schuld | |
| 2008/0029553 | A1 | 2/2008 | Culleton | |
| 2008/0058228 | A1 | 3/2008 | Wilson | |
| 2008/0179054 | A1 | 7/2008 | McGough et al. | |
| 2008/0179324 | A1 | 7/2008 | McGough et al. | |
| 2008/0213073 | A1 | 9/2008 | Benedict et al. | |
| 2008/0226434 | A1 | 9/2008 | Smith et al. | |
| 2008/0264641 | A1 | 10/2008 | Slabaugh et al. | |
| 2008/0277423 | A1 | 11/2008 | Garton | |
| 2008/0303312 | A1* | 12/2008 | Smith | B62D 21/02 296/183.2 |
| 2009/0038242 | A1 | 2/2009 | Cope | |
| 2009/0078410 | A1 | 3/2009 | Krenek et al. | |
| 2009/0278326 | A1 | 11/2009 | Rowland et al. | |
| 2010/0021258 | A1 | 1/2010 | Kim | |
| 2010/0037572 | A1 | 2/2010 | Cheng | |
| 2010/0038143 | A1 | 2/2010 | Burnett et al. | |
| 2010/0040446 | A1 | 2/2010 | Renyer | |
| 2010/0065466 | A1 | 3/2010 | Perkins | |
| 2010/0108711 | A1 | 5/2010 | Wietgreffe | |
| 2010/0129193 | A1 | 5/2010 | Sherrer | |
| 2010/0199668 | A1 | 8/2010 | Coustou et al. | |
| 2010/0278621 | A1 | 11/2010 | Redekop | |
| 2010/0288603 | A1 | 11/2010 | Schafer | |
| 2010/0320727 | A1 | 12/2010 | Haut et al. | |
| 2011/0011893 | A1 | 1/2011 | Cerny | |
| 2011/0017693 | A1 | 1/2011 | Thomas | |
| 2011/0101040 | A1 | 5/2011 | Weissbrod | |
| 2011/0109703 | A1 | 5/2011 | Williams | |
| 2011/0127178 | A1 | 6/2011 | Claussen | |
| 2011/0160104 | A1 | 6/2011 | Wu et al. | |
| 2011/0162838 | A1 | 7/2011 | Mackenzie et al. | |
| 2011/0168593 | A1 | 7/2011 | Neufeld et al. | |
| 2011/0222983 | A1 | 9/2011 | Dugic et al. | |
| 2011/0297702 | A1 | 12/2011 | Hildebrandt et al. | |
| 2012/0103848 | A1 | 5/2012 | Allegretti et al. | |
| 2012/0181781 | A1* | 7/2012 | Gaussin | B62D 21/12 280/800 |
| 2012/0219391 | A1 | 8/2012 | Teichrob et al. | |
| 2012/0255539 | A1 | 10/2012 | Kolecki | |
| 2013/0004272 | A1 | 1/2013 | Mintz | |
| 2013/0022441 | A1 | 1/2013 | Uhryn et al. | |
| 2013/0206415 | A1 | 8/2013 | Sheesley | |
| 2013/0209204 | A1 | 8/2013 | Sheesley | |
| 2013/0233545 | A1 | 9/2013 | Mahoney | |
| 2013/0284729 | A1 | 10/2013 | Cook et al. | |
| 2013/0309052 | A1 | 11/2013 | Luharuka | |
| 2013/0323005 | A1 | 12/2013 | Rexius et al. | |
| 2014/0020765 | A1* | 1/2014 | Oren | B65D 88/30 137/1 |
| 2014/0020892 | A1 | 1/2014 | Oren | |
| 2014/0023465 | A1 | 1/2014 | Oren et al. | |
| 2014/0034662 | A1 | 2/2014 | Chalmers et al. | |
| 2014/0044507 | A1 | 2/2014 | Naizer et al. | |
| 2014/0083554 | A1 | 3/2014 | Harris | |
| 2014/0093319 | A1 | 4/2014 | Harris et al. | |
| 2014/0097182 | A1 | 4/2014 | Sheesley | |
| 2014/0166647 | A1 | 6/2014 | Sheesley | |
| 2014/0203046 | A1 | 7/2014 | Allegretti | |
| 2014/0234059 | A1 | 8/2014 | Thomeer | |
| 2014/0305769 | A1 | 10/2014 | Eiden et al. | |
| 2014/0321950 | A1 | 10/2014 | Krenek et al. | |
| 2015/0004895 | A1 | 1/2015 | Hammers et al. | |
| 2015/0069052 | A1 | 3/2015 | Allegretti et al. | |
| 2015/0086307 | A1 | 3/2015 | Stefan | |
| 2015/0110565 | A1 | 4/2015 | Harris | |
| 2015/0159232 | A1 | 6/2015 | Zucchi et al. | |
| 2015/0209829 | A1 | 7/2015 | De Siqueira et al. | |
| 2016/0148813 | A1 | 5/2016 | Rogers et al. | |
| 2016/0185522 | A1 | 6/2016 | Herman et al. | |
| 2016/0280480 | A1 | 9/2016 | Smith et al. | |
| 2017/0129721 | A1 | 5/2017 | Harris et al. | |

| | | |
|----|------------|---------|
| CN | 201390486 | 1/2010 |
| CN | 201881469 | 6/2011 |
| CN | 103350017 | 10/2013 |
| DE | 3108121 | 9/1982 |
| DE | 3342281 | 6/1985 |
| DE | 4217329 | 5/1993 |
| EP | 0019967 | 12/1980 |
| EP | 322283 | 6/1989 |
| EP | 0564969 | 10/1993 |
| EP | 0997607 | 5/2000 |
| EP | 1052194 | 11/2000 |
| EP | 1167236 | 1/2002 |
| EP | 1775190 | 4/2007 |
| EP | 2062832 | 5/2009 |
| EP | 2311757 | 4/2011 |
| FR | 2173445 | 10/1973 |
| FR | 2640598 | 6/1990 |
| GB | 1296736 | 11/1972 |
| GB | 2374864 | 10/2002 |
| JP | S4871029 | 9/1973 |
| JP | S4876041 | 9/1973 |
| JP | S58161888 | 10/1983 |
| JP | 410087046 | 4/1998 |
| JP | 10264882 | 10/1998 |
| MX | 2012011046 | 5/2013 |
| WO | 1990008082 | 7/1990 |
| WO | 1992002437 | 2/1992 |
| WO | 1993001997 | 2/1993 |
| WO | 1993006031 | 4/1993 |
| WO | 1996025302 | 8/1996 |
| WO | 2006039757 | 4/2006 |
| WO | 2007005054 | 1/2007 |
| WO | 2007061310 | 5/2007 |
| WO | 2010026235 | 3/2010 |
| WO | 2011099358 | 8/2011 |
| WO | 2012021447 | 2/2012 |
| WO | 2012058059 | 5/2012 |

OTHER PUBLICATIONS

SandBox Logistics, LLC, screenshots from video dated Aug. 22, 2014.

SandBox Logistics, LLC, screenshots from video dated Oct. 11, 2013.

SandBox Logistics, LLC, screenshots from video dated Apr. 10, 2013.

Grit Energy Solutions, LLC, Fidelity, Screenshots from video dated May 16, 2014.

Grit Energy Solutions, LLC, Gate, Screenshots from video dated Dec. 6, 2013, <https://www.youtube.com/user/gritstack>.

Grit Energy Solutions, LLC, Screen, Screenshots from video dated Dec. 6, 2013, <https://www.youtube.com/used/gritstack>.

Grit Energy Solutions, LLC, The Grit Stack System—Live Frac, Screenshots from video dated Jun. 15, 2015, <https://www.youtube.com/user/gritstack>.

Grit Energy Solutions, LLC, The Grit Stack System, Screenshots from video dated Feb. 7, 2014, <https://www.youtube.com/user/gritstack>.

International Search Report for related International Application No. PCT/US2012/066639, dated Feb. 25, 2013.

International Search Report for related International Application No. PCT/US2013/035442, dated Jun. 23, 2013.

International Search Report for related International Application No. PCT/US2013/032819, dated May 23, 2013.

International Search Report for related International Application No. PCT/US2013/049028, dated Mar. 4, 2014.

International Preliminary Report on Patentability for PCT/US2012/066639, dated Feb. 26, 2013.

International Preliminary Report on Patentability for PCT/US2013/032819, dated Sep. 23, 2014.

International Search Report for PCT/US2015/012990, dated May 6, 2015. (15 pages).

(56)

References Cited

OTHER PUBLICATIONS

- FS-35 Desert Frac-Sanders. NOV (National Oilwell Varco). Mar. 19, 2012. (https://web.archive.org/web/20120319070423/http://www.nov.com/Well_Service_and_Completion/Frac_Sand_Handling_Equipment/Frac_Sanders/FS-35.aspx).
- File History for U.S. Appl. No. 61/538,616, Robert A. Harris, Sep. 23, 2011. (21 pages).
- International Search Report for PCT/US2015/024810, dated Jul. 8, 2015. (13 pages).
- European Search Report for Application No. 15167039.5, dated Sep. 8, 2015. (7 pages).
- SandBox Logistics, "Mine to Wellhead Logistics," Houston, TX, May 2013.
- SandBox Logistics, screenshots from video made in Apr. 2013 and publicly shown in May 2013, Arnegard, North Dakota.
- PCT International Search Report for PCT/US15/49074, dated Dec. 17, 2015. (11 pages).
- PCT International Search Report for PCT/US15/57601, dated May 6, 2016. (11 pages).
- International Search Report for PCT/US15/35635, dated Oct. 30, 2015. (12 pages).
- Non-Final Office Action dated Dec. 28, 2016 for co-pending U.S. Appl. No. 13/628,702.
- Non-Final Office Action dated Jan. 13, 2017 for co-pending U.S. Appl. No. 14/923,920.
- Final Office Action dated Jan. 12, 2017 for co-pending U.S. Appl. No. 14/841,942.
- Non-Final Office Action dated Dec. 23, 2016 for co-pending U.S. Appl. No. 14/485,686.
- Non-Final Office Action dated Jan. 27, 2017 for co-pending U.S. Appl. No. 14/485,687.
- Non-Final Office Action dated Dec. 20, 2016 for co-pending U.S. Appl. No. 14/831,924.
- Final Office Action dated Jan. 19, 2017 for co-pending U.S. Appl. No. 13/660,855.
- Final Office Action dated Nov. 25, 2016 for co-pending U.S. Appl. No. 15/152,744.
- Non-Final Office Action dated Dec. 15, 2016 for co-pending U.S. Appl. No. 14/848,447.
- Non-Final Office Action dated Dec. 9, 2016 for co-pending U.S. Appl. No. 14/927,614.
- International Search Report for PCT Application No. PCT/US2016/050859 dated Dec. 9, 2016.
- Non-Final Office Action dated Oct. 27, 2016 for co-pending U.S. Appl. No. 15/219,676.
- Non-Final Office Action dated Nov. 9, 2016 for co-pending U.S. Appl. No. 14/948,494.
- Final Office Action dated Nov. 4, 2016 for co-pending U.S. Appl. No. 14/738,485.
- Arrows Up, Inc., Jumbo BTS—Bulk Transport System, Aug. 1, 2014.
- Arrows Up, Inc., Reusable Packaging Association, Member Spotlight: John Allegretti, President & CEO, Arrows Up, Inc., Jun. 23, 2016.
- Seed Today, Arrows Up, Inc. Bulk Transport System (BTS), Country Journal Publishing Co., Decatur, IL, Mar. 2, 2011.
- SeedQuest, Arrows Up, Inc. launches innovative bulk transport system for see, Barrington, IL, Mar. 2, 2011.
- Monster Tanks, Inc., Sand Monster Website, <http://monstertanksinc.com/sandmonster.html>, 2012.
- Solaris Oilfield Infrastructure, Mobile Sand Silo System, 2016.
- Final Office Action dated Sep. 27, 2016 for co-pending U.S. Appl. No. 13/555,635.
- Non-Final Office Action dated Mar. 23, 2016 for co-pending U.S. Appl. No. 13/555,635.
- Final Office Action dated Jul. 30, 2015 for co-pending U.S. Appl. No. 13/555,635.
- Non-Final Office Action dated Oct. 22, 2014 for co-pending U.S. Appl. No. 13/555,635.
- Final Office Action dated Jun. 21, 2016 for co-pending U.S. Appl. No. 13/628,702.
- Non-Final Office Action dated Feb. 23, 2016 for co-pending U.S. Appl. No. 13/628,702.
- Final Office Action dated Sep. 22, 2015 for co-pending U.S. Appl. No. 13/628,702.
- Non-Final Office Action dated Jul. 28, 2015 for co-pending U.S. Appl. No. 13/628,702.
- Final Office Action dated Mar. 24, 2015 for co-pending U.S. Appl. No. 13/628,702.
- Non-Final Office Action dated Sep. 18, 2014 for co-pending U.S. Appl. No. 13/628,702.
- Final Office Action dated Jun. 27, 2016 for co-pending U.S. Appl. 14/831,924.
- Non-Final Office Action dated Feb. 16, 2016 for co-pending U.S. Appl. No. 14/831,924.
- Final Office Action dated Jun. 27, 2016 for co-pending U.S. Appl. No. 14/923,920.
- Non-Final Office Action dated Feb. 9, 2016 for co-pending U.S. Appl. No. 14/923,920.
- Final Office Action dated Sep. 15, 2016 for co-pending U.S. Appl. No. 14/943,111.
- Non-Final Office Action dated Apr. 5, 2016 for co-pending U.S. Appl. No. 14/943,111.
- Final Office Action dated Jul. 18, 2016 for co-pending U.S. Appl. No. 14/948,494.
- Non-Final Office Action dated Apr. 8, 2016 for co-pending U.S. Appl. No. 14/948,494.
- Non-Final Office Action dated Sep. 6, 2016 for co-pending U.S. Appl. No. 15/144,296.
- Non-Final Office Action dated Jul. 25, 2016 for co-pending U.S. Appl. No. 13/660,855.
- Final Office Action dated Apr. 28, 2016 for co-pending U.S. Appl. No. 13/660,855.
- Non-Final Office Action dated Oct. 6, 2015 for co-pending U.S. Appl. No. 13/660,855.
- Final Office Action dated Aug. 6, 2015 for co-pending U.S. Appl. No. 13/660,855.
- Non-Final Office Action dated Apr. 29, 2015 for co-pending U.S. Appl. No. 13/660,855.
- Final Office Action dated Dec. 17, 2014 for co-pending U.S. Appl. No. 13/660,855.
- Non-Final Office Action dated Sep. 4, 2014 for co-pending U.S. Appl. No. 13/660,855.
- Final Office Action dated Sep. 24, 2013 for co-pending U.S. Appl. No. 13/660,855.
- Non-Final Office Action dated May 14, 2013 for co-pending U.S. Appl. No. 13/660,855.
- Non-Final Office Action dated Jul. 5, 2016 for co-pending U.S. Appl. No. 14/996,362.
- Non-Final Office Action dated Jul. 6, 2016 for co-pending U.S. Appl. No. 15/144,450.
- Final Office Action dated Sep. 29, 2016 for co-pending U.S. Appl. No. 13/768,962.
- Non-Final Office Action dated Apr. 5, 2016 for co-pending U.S. Appl. No. 13/768,962.
- Final Office Action dated Oct. 9, 2015 for co-pending U.S. Appl. No. 13/768,962.
- Non-Final Office Action dated May 1, 2015 for co-pending U.S. Appl. No. 13/768,962.
- Non-Final Office Action dated Jul. 18, 2016 for co-pending U.S. Appl. No. 15/152,744.
- Non-Final Office Action dated Apr. 13, 2016 for co-pending U.S. Appl. No. 14/738,485.
- Non-Final Office Action dated Sep. 7, 2016 for co-pending U.S. Appl. No. 14/841,942.
- Final Office Action dated May 12, 2016 for co-pending U.S. Appl. No. 14/841,942.
- Non-Final Office Action dated Nov. 30, 2015 for co-pending U.S. Appl. No. 14/841,942.
- Non-Final Office Action dated Jul. 21, 2016 for co-pending U.S. Appl. No. 15/083,596.

(56)

References Cited

OTHER PUBLICATIONS

- Non-Final Office Action dated Aug. 19, 2016 for co-pending U.S. Appl. No. 15/084,613.
- Non-Final Office Action dated Sep. 6, 2016 for co-pending U.S. Appl. No. 15/143,942.
- Final Office Action dated Sep. 1, 2016 for co-pending U.S. Appl. No. 14/848,447.
- Non-Final Office Action dated Apr. 8, 2016 for co-pending U.S. Appl. No. 14/848,447.
- Non-Final Office Action dated May 13, 2016 for co-pending U.S. Appl. No. 14/986,826.
- Final Office Action dated Sep. 15, 2016 for co-pending U.S. Appl. No. 14/922,836.
- Non-Final Office Action dated Feb. 4, 2016 for co-pending U.S. Appl. No. 14/922,836.
- Final Office Action dated Aug. 25, 2016 for co-pending U.S. Appl. No. 14/927,614.
- Non-Final Office Action dated Mar. 1, 2016 for co-pending U.S. Appl. No. 14/927,614.
- Non-Final Office Action dated Apr. 29, 2016 for co-pending U.S. Appl. No. 14/943,182.
- Final Office Action dated Sep. 15, 2016 for co-pending U.S. Appl. No. 14/882,973.
- Non-Final Office Action dated Feb. 11, 2016 for co-pending U.S. Appl. No. 14/882,973.
- Non-Final Office Action dated Aug. 11, 2016 for co-pending U.S. Appl. No. 13/625,675.
- Final Office Action dated Nov. 11, 2015 for co-pending U.S. Appl. No. 13/625,675.
- Non-Final Office Action dated Mar. 11, 2015 for co-pending U.S. Appl. No. 13/625,675.
- Non-Final Office Action dated Jul. 26, 2017 for co-pending U.S. Appl. No. 15/463,201.
- Final Office Action dated Jul. 27, 2017 for co-pending U.S. Appl. No. 14/738,485.
- Non-Final Office Action dated Aug. 3, 2017 for co-pending U.S. Appl. No. 15/219,676.
- Beckwith, Robin, Proppants: Where in the World, Proppant Shortage, JPT, Apr. 2011 (6 pages).
- Kullman, John, The Complicated World of Proppant Selection . . . , South Dakota School of Mines & Technology, Oct. 2011 (65 pages).
- Lafollette, Randy, Key Considerations for Hydraulic Fracturing of Gas Shales, BJ Services Company, Sep. 9, 2010 (53 pages).
- WW Trailers Inc., Model GN2040EZ datasheet, Portland, OR, Jan. 2007 (4pages).
- WW Trailers Inc., Model GN204S9A datasheet, Portland, OR, Jan. 2007 (4pages).
- International Search Report and Written Opinion for PCT/US2017/012271, dated May 22, 2017.
- Non-Final Office Action dated Apr. 24, 2017 for co-pending U.S. Appl. No. 14/738,485.
- Final Office Action dated May 4, 2017 for co-pending U.S. Appl. No. 15/143,942.
- Final Office Action dated May 30, 2017 for co-pending U.S. Appl. No. 13/625,675.
- Final Office Action dated Apr. 19, 2017 for co-pending U.S. Appl. No. 15/219,640.
- Non-Final Office Action dated Jun. 1, 2017 for co-pending U.S. Appl. No. 15/219,640.
- Final Office Action dated May 2, 2017 for co-pending U.S. Appl. No. 15/219,676.
- Non-Final Office Action dated May 10, 2017 for co-pending U.S. Appl. No. 14/882,973.
- Non-Final Office Action dated Apr. 3, 2017 for co-pending U.S. Appl. No. 13/555,635.
- Non-Final Office Action dated Feb. 14, 2017 for co-pending U.S. Appl. No. 14/943,111.
- Final Office Action dated Mar. 7, 2017 for co-pending U.S. Appl. No. 15/144,296.
- Non-Final Office Action dated Apr. 6, 2017 for co-pending U.S. Appl. No. 13/768,962.
- Non-Final Office Action dated Mar. 6, 2017 for co-pending U.S. Appl. No. 15/152,744.
- Non-Final Office Action dated Feb. 24, 2017 for co-pending U.S. Appl. No. 14/943,182.
- Yergin, Daniel, The Quest: Energy, Security, and the Remaking of the Modern World, 2011.
- Gold, Russell, The Boom: How Fracking Ignited the American Energy Revolution and Changed the World, 2014.
- Yergin, Daniel, Stepping on the Gas, Wall Street Journal, Apr. 2, 2011.
- Raimi, Daniel et al., Dunn County and Watford City, North Dakota: A case study of the fiscal effects of Bakken shale development, Duke University Energy Initiative, May 2016.
- Local Economic Impacts Related to Marcellus Shale Development, The Center for Rural Pennsylvania, Sep. 2014.
- Eagle Ford Shale Task Force Report, Railroad Commission of Texas, Convened and Chaired by David Porter, Mar. 2013.
- Sandbox Logistics LLC et al v. Grit Energy Solutions LLC*, 3:16-cv-00012, 73.Parties' P.R. 4-3 Joint Claim Construction and Prehearing Statement by Oren Technologies LLC, SandBox Enterprises LLC, SandBox Logistics LLC, Nov. 17, 2016.
- Beard, Tim, Fracture Design in Horizontal Shale Wells—Data Gathering to Implementation, EPA Hydraulic Fracturing Workshop, Mar. 10-11, 2011.
- Economic Impact of the Eagle Ford Shale, Center for Community and Business Research at the University of Texas at San Antonio's Institute for Economic Development, Sep. 2014.
- Kelsey, Timothy W. et al., Economic Impacts of Marcellus Shale in Pennsylvania: Employment and Income in 2009, The Marcellus Shale Education & Training Center, Aug. 2011.
- 2006 Montana Commercial Vehicle Size and Weight and Safety Trucker's Handbook, Montana Department of Transportation Motor Carrier Services Division, Fifth Edition, Jun. 2010.
- Budzynski, Brian W., Never Meant to Take the Weight, Roads & Bridges, Apr. 2015.
- Interstate Weight Limits, 23 C.F.R. § 658, Apr. 1, 2011.
- VIN Requirements, 49 C.F.R. § 565, Oct. 1, 2011.
- Benson, Mary Ellen et al., Frac Sand in the United States—A Geological and Industry Overview, U.S. Department of the Interior, U.S. Geological Survey, 2015-2017.
- Beekman, Thomas J. et al., Transportation Impacts of the Wisconsin Fracture Sand Industry, Wisconsin Department of Transportation, Mar. 2013.
- U.S. Silica Company, Material Safety Data Sheet, Jan. 2011.
- Texas Transportation Code, Chapter 621, General Provisions Relating to Vehicle Size and Weight (Sec. 621.101 effective Sep. 1, 2005 and Section 621.403 effective Sep. 1, 1995).
- Garner, Dwight, Visions of an Age When Oil Isn't King, New York Times, Sep. 20, 2011.
- Frac Sand Primer by Brian D. Olmen, Kelrick, LLC, from Hydraulic Fracturing by Michael Berry Smith and Carl Montgomery (CRC Press, Dec. 16, 2015), p. 384.
- Premier Silica LLC, Sands Application in the Energy Market, Irving, TX, Copyright 2016.
- Getty, John, Montana Tech; ASTM International, Overview of Proppants and Existing Standards and Practices, Jacksonville, FL, Jan. 29, 2013.

* cited by examiner

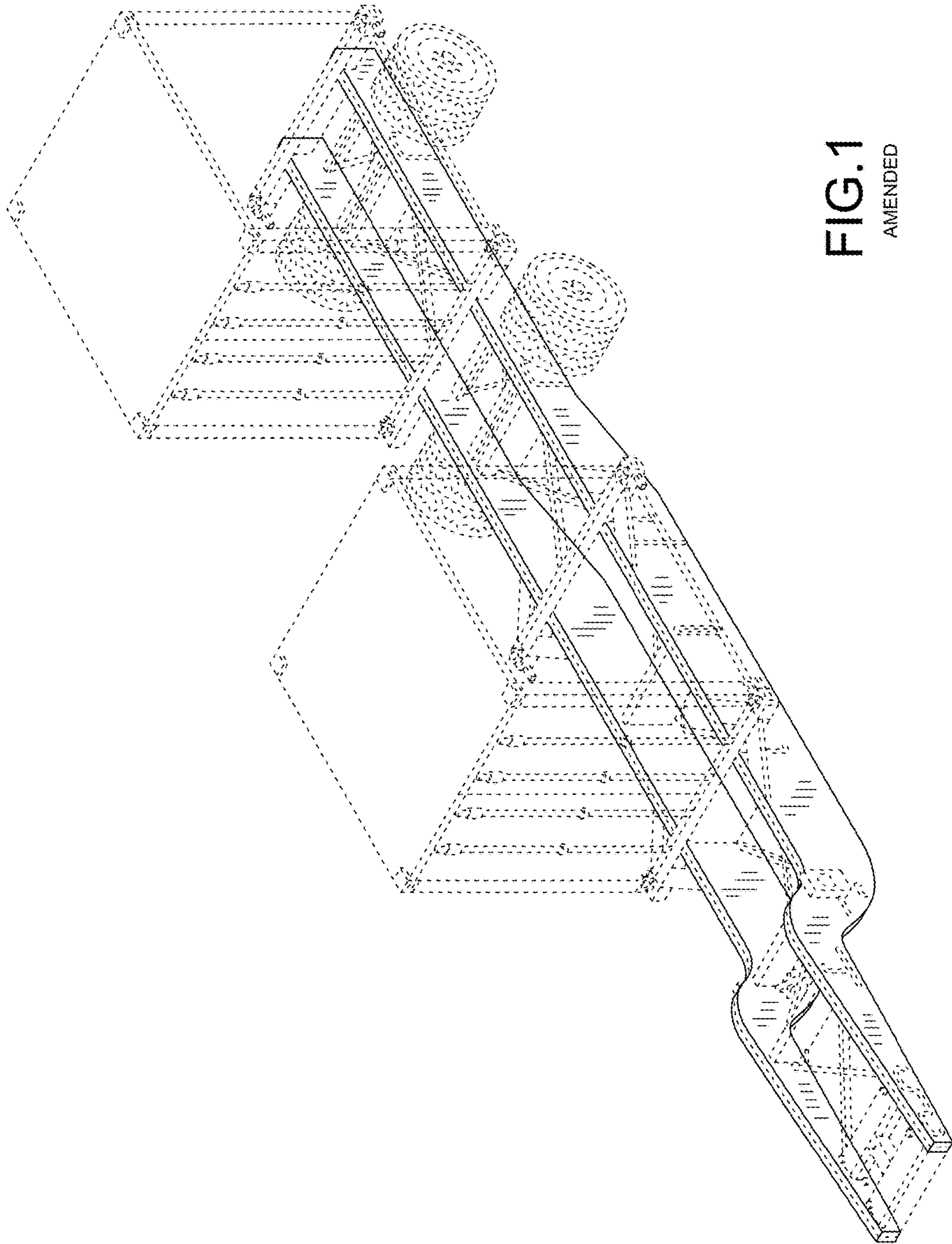


FIG. 1
AMENDED

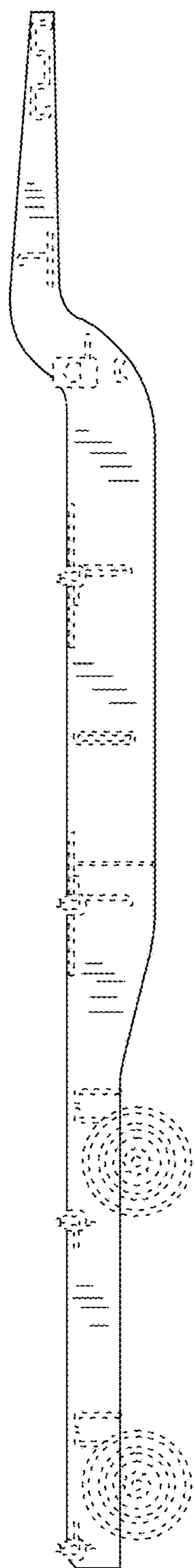


FIG. 2
AMENDED

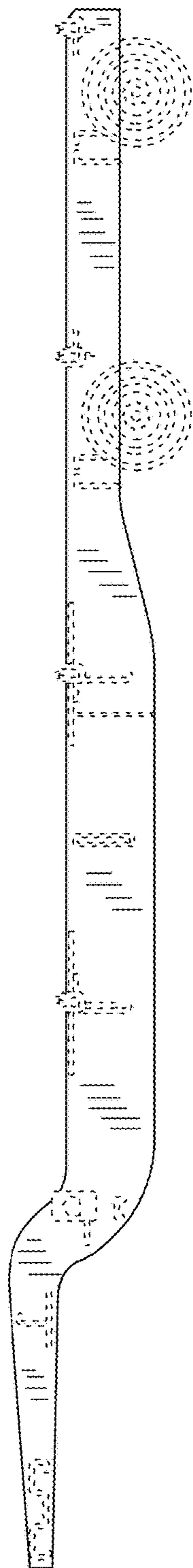


FIG. 3
AMENDED

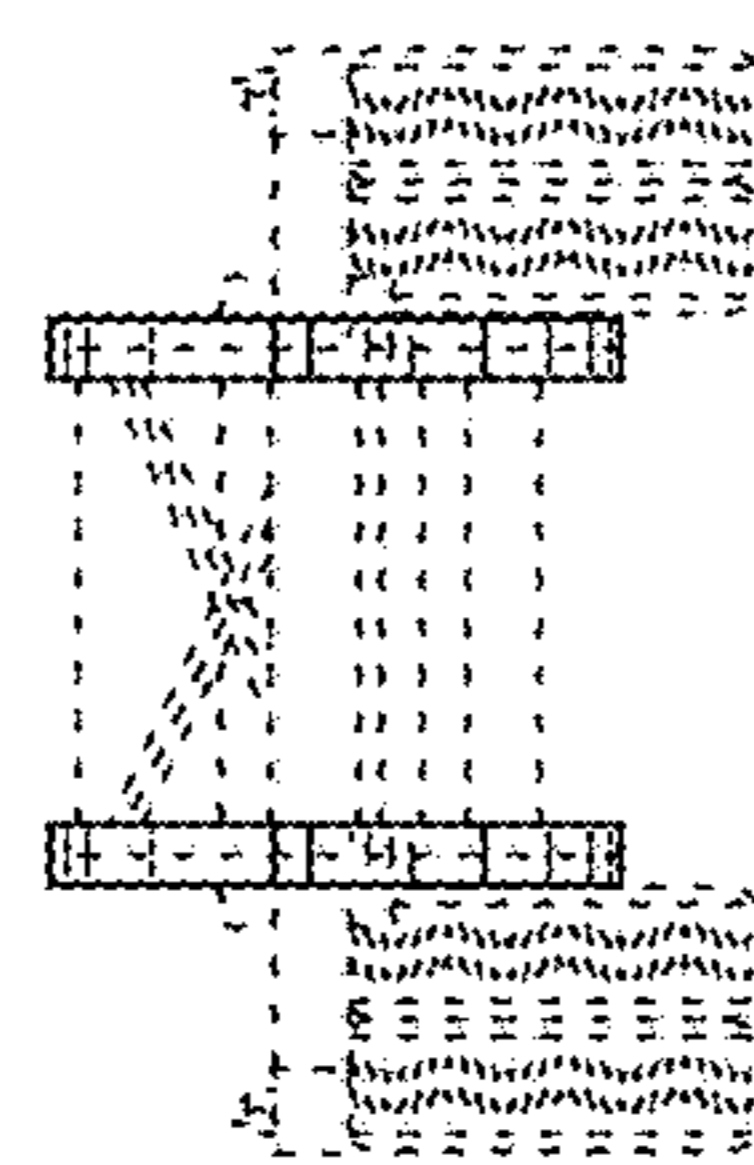


FIG. 5
AMENDED

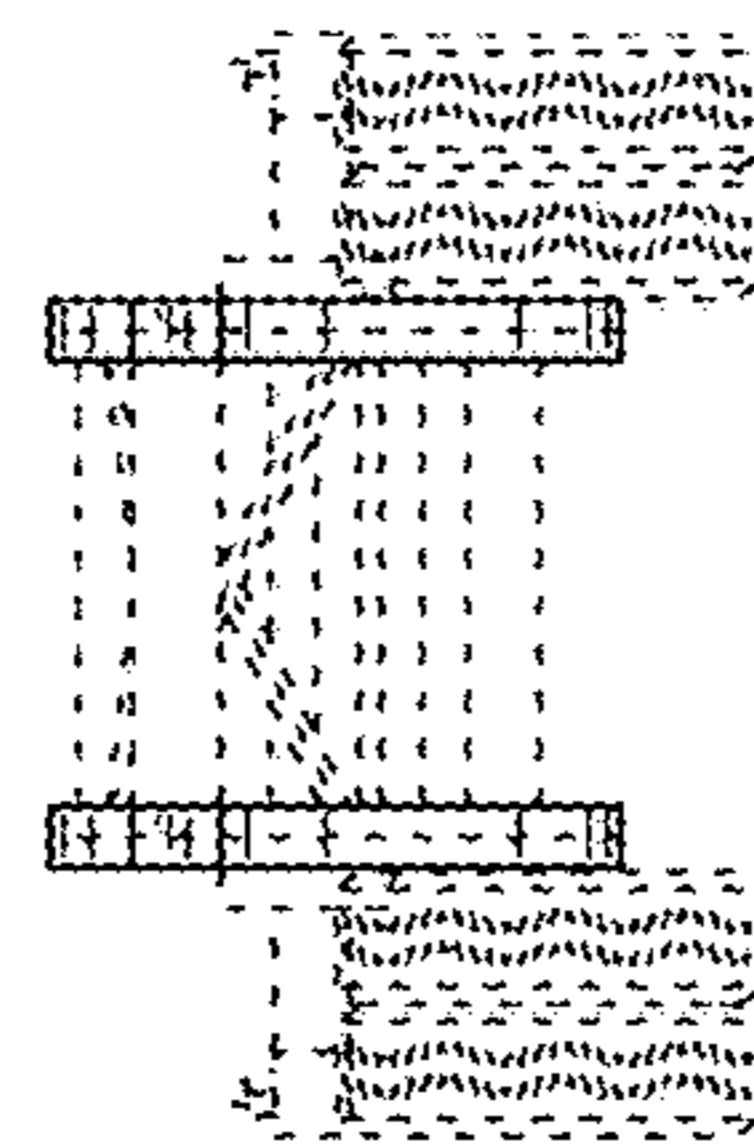


FIG. 4
AMENDED

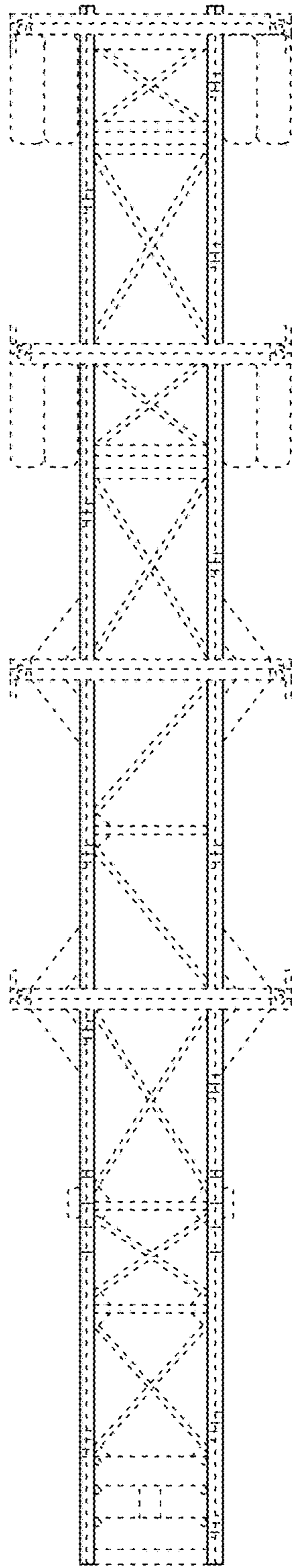


FIG. 6

AMENDED

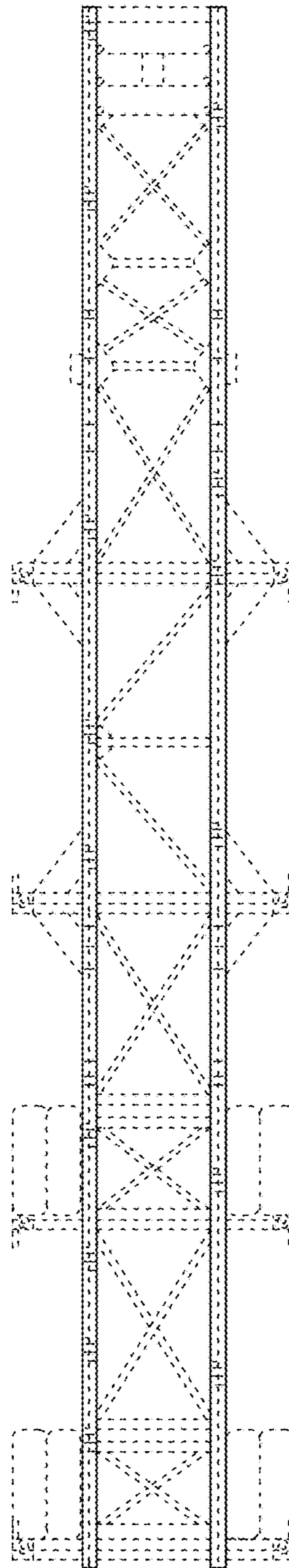


FIG. 7

AMENDED