



US0D1060738S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,060,738 S**
Opsomer (45) **Date of Patent:** **** Feb. 4, 2025**

(54) **LIGHTWEIGHT TRUSS MEMBER FOR PORTABLE STAGING SYSTEMS**

(71) Applicant: **Production Resource Group, L.L.C.**,
New Windsor, NY (US)

(72) Inventor: **Frederic Opsomer**, Kortemark (BE)

(73) Assignee: **Production Resource Group, L.L.C.**,
New Windsor, NY (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/882,073**

(22) Filed: **Jan. 10, 2023**

(51) **LOC (15) Cl.** **25-01**

(52) **U.S. Cl.**
USPC **D25/61; D25/119**

(58) **Field of Classification Search**
USPC D15/141; D25/61, 68, 119, 120, 121,
D25/122, 124, 126; D8/354, 381;
D10/94; D6/709, 712
CPC A47B 55/00; B23P 19/04; E04B 1/2403;
E04B 1/5831; E04B 2001/389; E04B
2001/2484; E04B 2001/2481; E04B
2001/2463; E04B 2001/2457; E04B
2001/2451; E04B 2001/5881; E04C 3/06;
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,396,499 A * 8/1968 Biffani E04B 1/2403
52/845
3,534,517 A * 10/1970 Kann A47B 57/54
D25/120

(Continued)

FOREIGN PATENT DOCUMENTS

DE 49902571-0002 * 8/1999
FR 820299-010 * 2/1982

(Continued)

OTHER PUBLICATIONS

Amazon, posted Dec. 2, 2021 [online], [retrieved Jun. 5, 2024].
Retrieved from internet, <https://www.amazon.com/Aluminum-Extrusion-European-Standard-Anodized/dp/B09MWF51KQ> (Year: 2021).*

(Continued)

Primary Examiner — Brett Miller

Assistant Examiner — Sara Michie Pottenger

(74) *Attorney, Agent, or Firm* — Downs Rachlin Martin PLLC

(57) **CLAIM**

The ornamental design for a lightweight truss member for portable staging systems, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a truss member showing my new design;

FIG. 2 is a side view thereof, the top, bottom and opposite side views being identical thereto;

FIG. 3 is an end view thereof, the opposite end view being identical thereto;

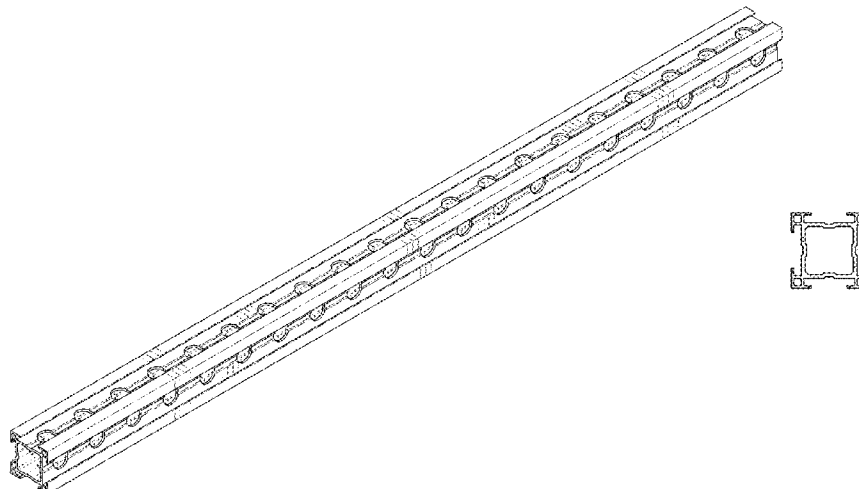
FIG. 4 is a perspective view of an alternative embodiment, the end views of this alternative embodiment being identical to that shown in FIG. 3; and,

FIG. 5 is a side view of the alternative embodiment of FIG. 4, the top, bottom and opposite side views being identical thereto.

FIGS. 4 and 5 contain a symbolic break. The portion between the break lines forms no part of the claimed design. The shade lines in the Figures show contour and not surface ornamentation.

The dashed broken lines in the figures show portions of the truss member that form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(58) **Field of Classification Search**

CPC ... E04C 3/08; E04C 3/36; E04C 3/083; E04C
3/32; E04C 3/28; E04C 3/09; E04C
23/142; E04C 2003/389; E04C
2003/0408; E04C 2003/0421; E04C
2003/0439; E04C 2003/0465; E04C
2003/0478; E04C 2003/0413; F16B 7/04;
F16B 7/0433; F16B 7/187; F16B
2200/403

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,069,638 A * 1/1978 Hasselqvist E04C 3/07
403/312
D305,899 S * 2/1990 Fasth D15/141
D315,027 S * 2/1991 Abbestam D25/124
D361,139 S * 8/1995 Nomura D25/61
D370,423 S * 6/1996 Nagai D25/120
D370,424 S * 6/1996 Nagai D25/120
D373,832 S * 9/1996 Nomura D25/61
D376,855 S * 12/1996 Leung D25/124
5,580,181 A * 12/1996 Nomura A47B 47/0016
403/231
5,864,997 A * 2/1999 Kelly E04C 3/32
52/584.1
6,331,092 B1 * 12/2001 Linger E04B 2/766
403/403
D600,831 S * 9/2009 Munakata D25/61
D626,822 S * 11/2010 Simard D8/381

D676,576 S * 2/2013 Oetlinger D25/61
D708,353 S * 7/2014 Oetlinger D25/61
D747,127 S * 1/2016 Chang D25/120
D801,551 S * 10/2017 Boehl D25/126
9,803,365 B2 * 10/2017 Peltier E04C 3/36
D873,441 S * 1/2020 Jiang D25/124
D881,416 S * 4/2020 Jiang D25/122
D902,695 S * 11/2020 Pettey D25/119
D943,775 S * 2/2022 DeJong D25/126
2015/0010343 A1 * 1/2015 Flaig F16B 7/0433
29/525.01
2019/0127978 A1 * 5/2019 Lacroix E04C 3/06
2019/0218778 A1 * 7/2019 Jiang E04C 3/09

FOREIGN PATENT DOCUMENTS

IL 39722 * 12/2010
KR 300958035.0000 * 5/2018
KR 30123369.0000 * 11/2022

OTHER PUBLICATIONS

Novadisplay, posted date unavailable [online], [retrieved Jun. 5, 2024]. Retrieved from internet, <https://www.novadisplaysystems.com/store/display-systems-and-installation-accessories/modular-display-systems/vertical-horizontal-aluminum-extrusions/px4032-horizontal-extrusion-connectors/> (Year: 2024).*

SaraF Silicates, posted date unavailable [online], [retrieved Jun. 5, 2024]. Retrieved from internet, <https://www.sarafsilicates.in/aluminium-extrusion-sections.htm> (Year: 2024).*

* cited by examiner

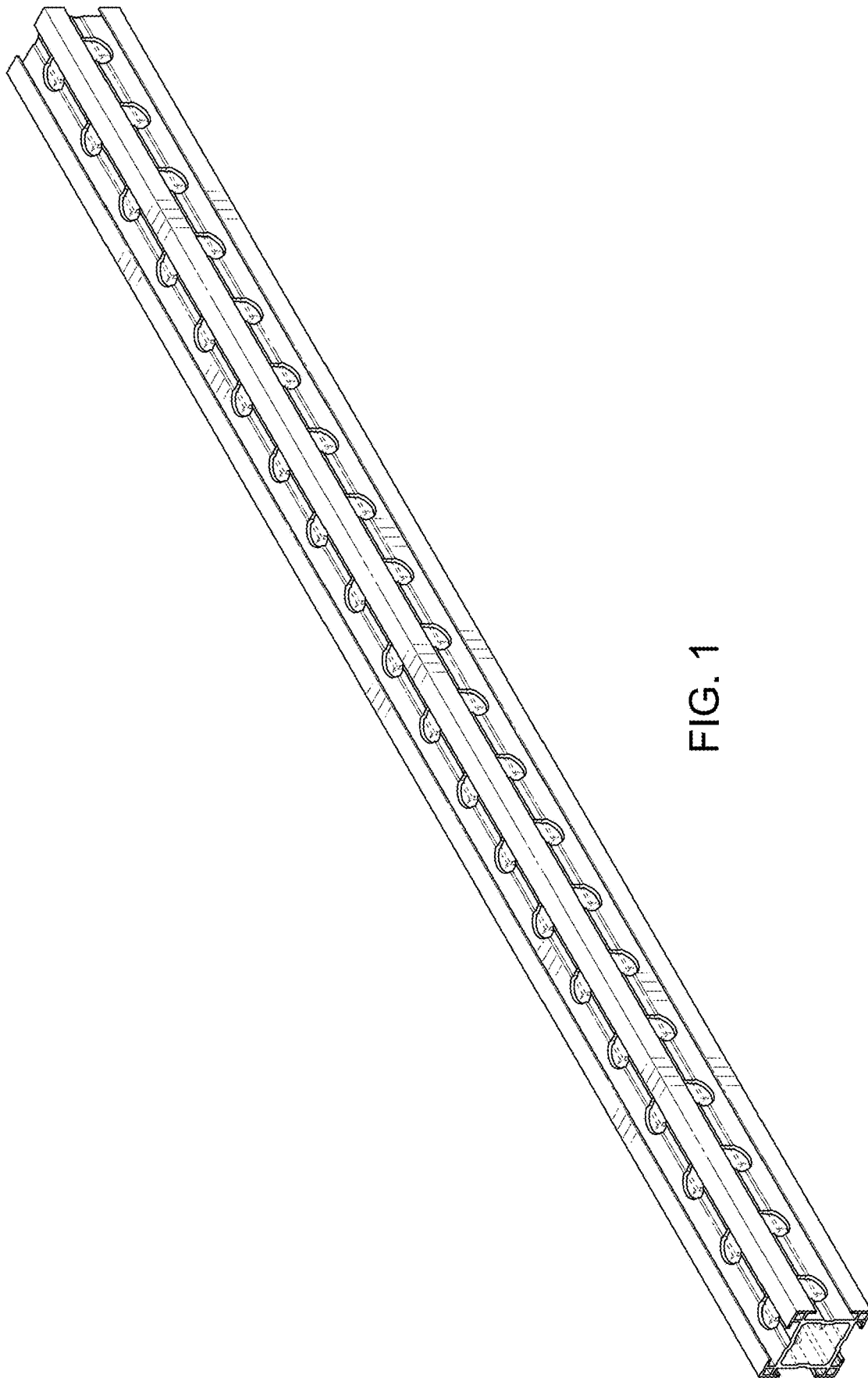


FIG. 1

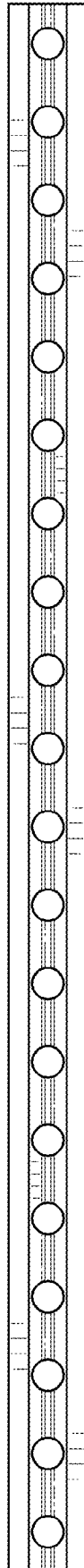


FIG. 2

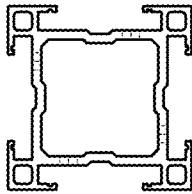


FIG. 3

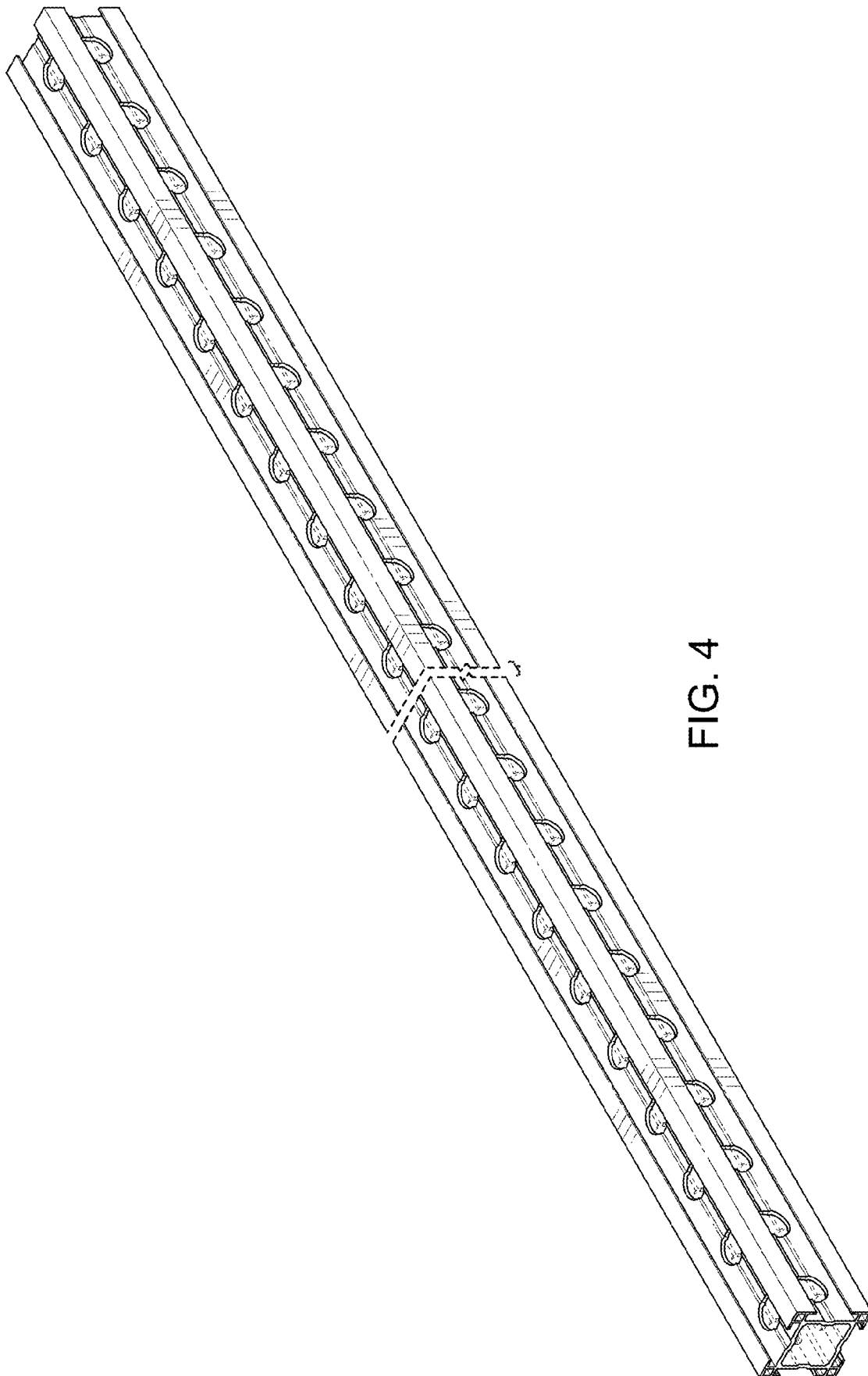


FIG. 4

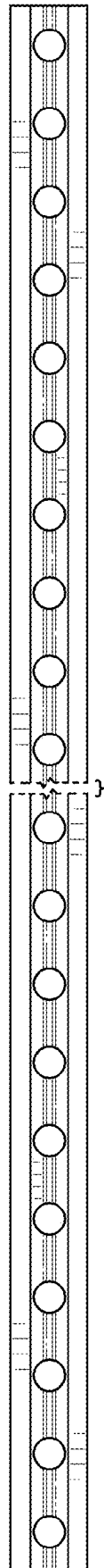


FIG. 5