



US0D1059637S

(12) **United States Design Patent**  
**Johnson et al.**

(10) **Patent No.:** **US D1,059,637 S**

(45) **Date of Patent:** **\*\* Jan. 28, 2025**

(54) **DECK FRAME JOIST**  
(71) Applicant: **The AZEK Group LLC**, Chicago, IL (US)

D583,081 S \* 12/2008 Ryan ..... D25/38.1  
D650,143 S \* 12/2011 Bhosale ..... D34/29  
D672,056 S \* 12/2012 Cetindag ..... D25/61  
D718,883 S 12/2014 Thrush et al.

(Continued)

(72) Inventors: **Elijah R. Johnson**, Chicago, IL (US);  
**Eric Wehrli**, Sugar Grove, IL (US);  
**Roger Edwin Winter**, Chicago, IL (US);  
**Jason Andrew Davoll**, Chicago, IL (US);  
**Charles William Herr, III**, Columbus, OH (US);  
**Isaac Russell Fox**, Cincinnati, OH (US)

OTHER PUBLICATIONS

EZTUBE 100-100 Aluminum Extrusion Liner Guide Frame, available in Amazon.com, date first available Oct. 28, 2015 [online], [site visited Jul. 20, 2023], Available from the internet URL: <https://www.amazon.com/EZTUBE-Aluminum-Framing-System-100-100/dp/B00LP28B4E> (Year: 2015).\*

(Continued)

(73) Assignee: **The AZEK Group LLC**, Chicago, IL (US)

*Primary Examiner* — Justin M Jonaitis

*Assistant Examiner* — Jasmine L. Comedy

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

(74) *Attorney, Agent, or Firm* — Shook, Hardy & Bacon L.L.P.

(21) Appl. No.: **29/831,892**

(22) Filed: **Mar. 23, 2022**

(57) **CLAIM**

The ornamental design for a deck frame joist as shown and described.

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

(52) **U.S. Cl.**  
USPC ..... **D25/122**

**DESCRIPTION**

(58) **Field of Classification Search**  
USPC ... D25/32, 38.1, 58, 61, 102, 122, 124, 132, D25/119, 126; D34/29, 35  
CPC ..... E04C 2003/043; E04C 2003/0434; E04C 2003/026; E04F 13/0826; E04B 2001/2406; E04B 7/022; E04G 21/1891  
See application file for complete search history.

FIG. 1 depicts a front, right, top perspective view of a deck frame joist showing our new design.  
FIG. 2 depicts a back, right, bottom perspective view thereof.  
FIG. 3 depicts a top view thereof.  
FIG. 4 depicts a bottom view thereof.  
FIG. 5 depicts a front view thereof.  
FIG. 6 depicts a back view thereof.  
FIG. 7 depicts a left side view thereof; and,  
FIG. 8 depicts a right side view thereof.

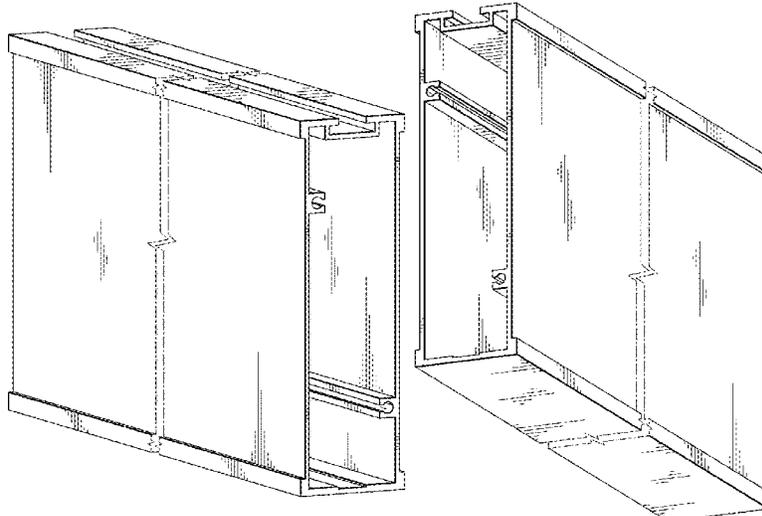
The figures show a symbolic break line. The break lines, as well as any portion of the article between the break lines, form no part of the claimed design. The long-short dash lines depict boundaries of the claimed design and do not form any part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D298,057 S \* 10/1988 Mahnke ..... D25/122  
D301,909 S \* 6/1989 Heddon ..... D21/785  
D316,444 S \* 4/1991 Abbestam ..... D25/122  
D346,260 S \* 4/1994 Silbersky ..... D34/35  
D410,552 S \* 6/1999 Gabriele ..... D25/122  
D424,711 S \* 5/2000 Johnsson ..... D25/122  
D438,993 S \* 3/2001 Sjoholm ..... D25/164  
D459,774 S \* 7/2002 Lee ..... D25/124

**1 Claim, 3 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

9,057,190	B1	6/2015	Winter	
D760,522	S *	7/2016	Bonuccelli .....	D6/709
D765,882	S *	9/2016	Deleu .....	D25/122
9,776,836	B2 *	10/2017	Spies .....	E01B 25/24
D836,877	S *	12/2018	Mason .....	D25/41.1
D881,417	S *	4/2020	Britton .....	D25/126
D937,441	S *	11/2021	Noe .....	D25/56
D954,301	S *	6/2022	Hendry .....	D25/131
D963,897	S *	9/2022	Miller .....	D25/133
D1,004,140	S *	11/2023	Voss .....	D25/124

OTHER PUBLICATIONS

A500/A513 Carbon Steel Rectangular Tubing, available in Amazon.com, date first available Apr. 14, 2020 [online], [site visited Jul. 20, 2023], Available from the internet URL: <https://www.amazon.com/Carbon-Rectangular-Unpolished-Thickness-OnlineMetals/dp/B087V8CSNB?th=1> (Year: 2020).\*

I-Beam, ISOFR, Gray, 4x2 In, available in Amazon.com, date first available Mar. 21, 2013 [online], [site visited Jul. 20, 2023], Available from the internet URL: <https://www.amazon.com/I-Beam-ISOFR-Gray-4x2-Th/dp/B007IBREZ8> (Year: 2013).\*

HFS 4pcs 2020 T Slot Aluminum Extrusion Profile European Standard Anodized Linear Rail, available in Amazon.com, date first available Dec. 30, 2019 [online], [site visited Oct. 25, 2023], Available from the internet URL: <https://a.co/d/3Hn6p7u> (Year: 2019).

\* cited by examiner

FIG. 1.

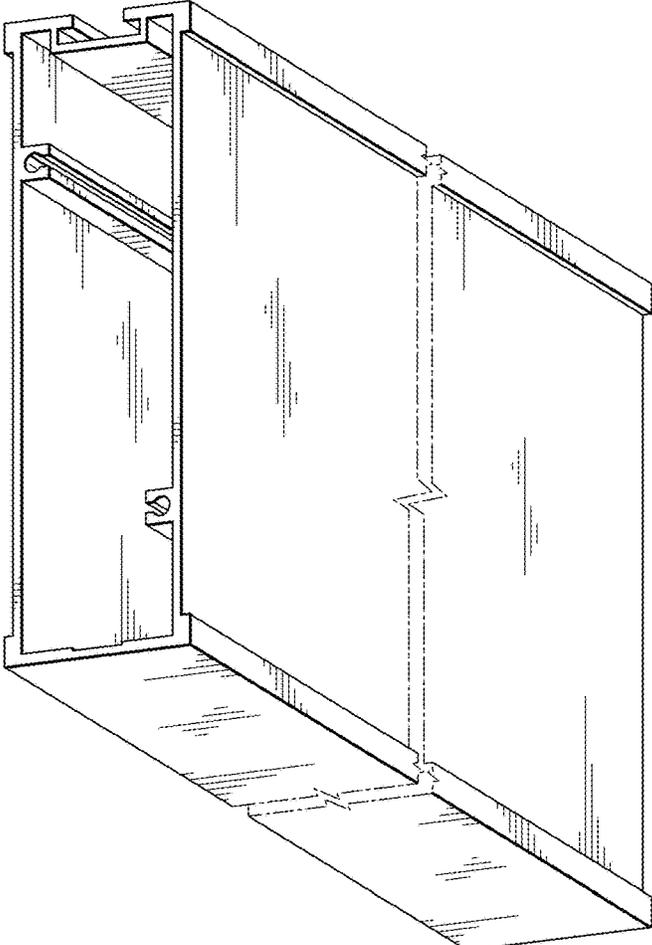
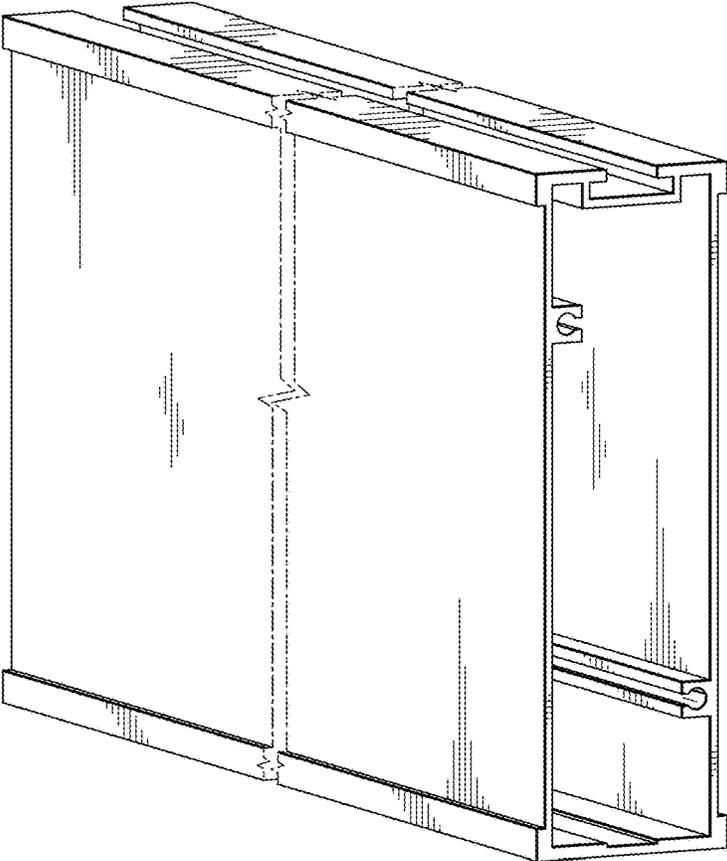


FIG. 2.

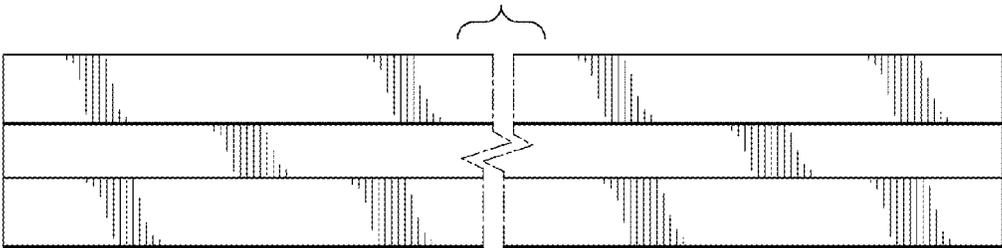


FIG. 3.

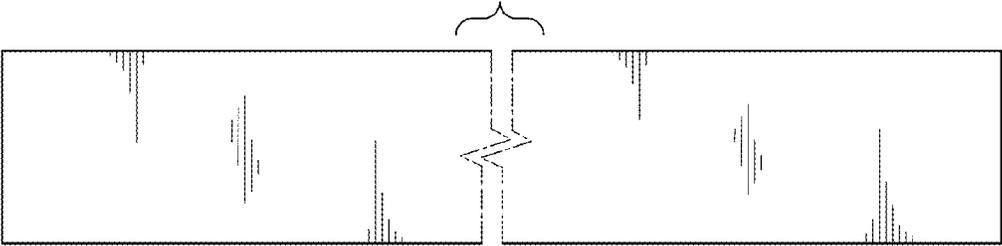


FIG. 4.

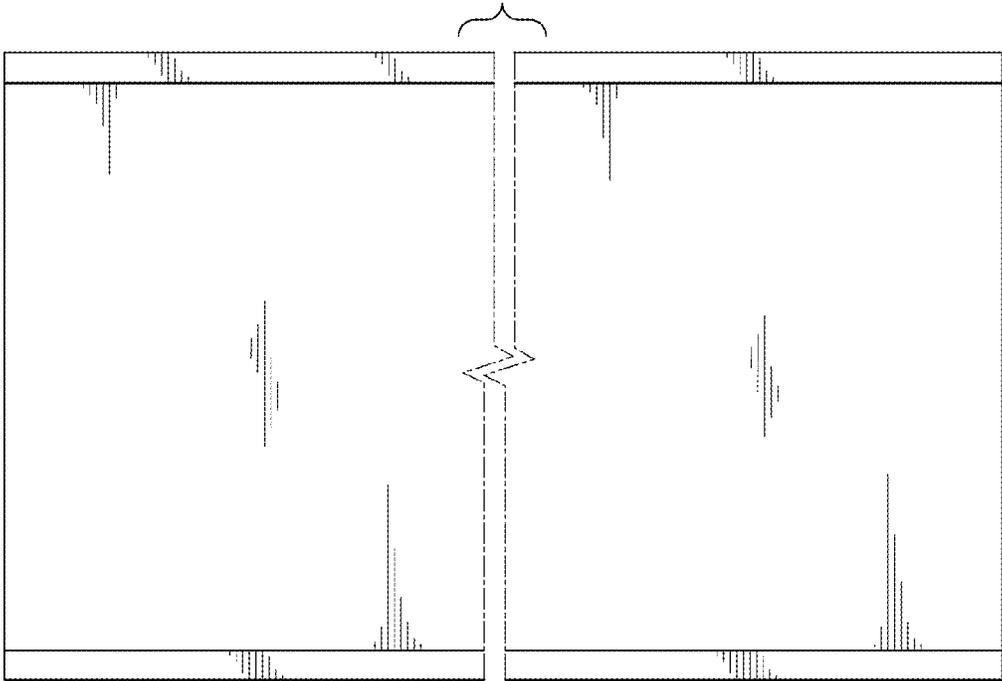


FIG. 5.

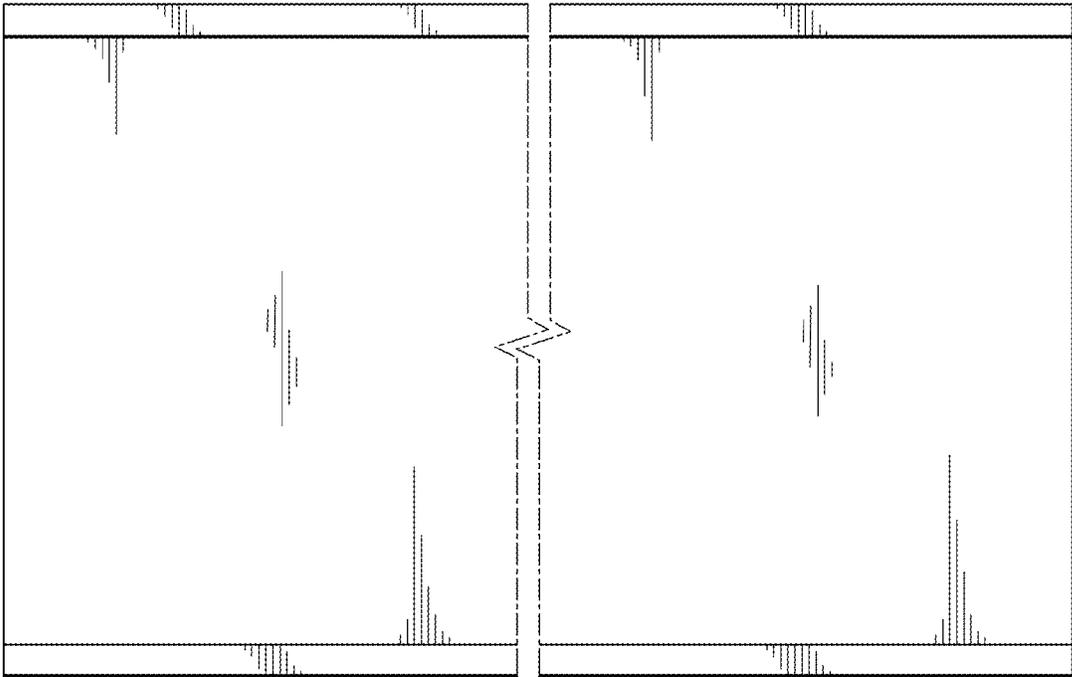


FIG. 6.

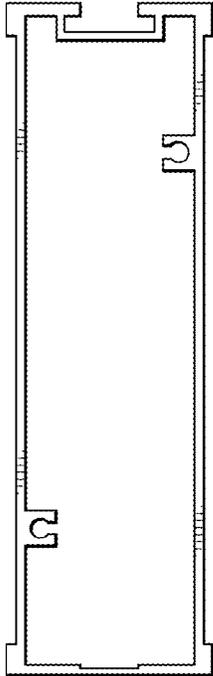


FIG. 7.

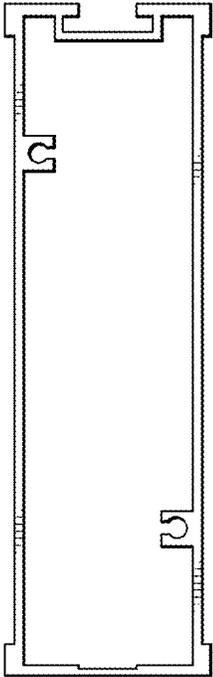


FIG. 8.