

US010640983B2

(12) United States Patent Honeycutt et al.

(54) PLATFORM SYSTEM

(71) Applicant: Safe Rack LLC, Andrews, SC (US)

(72) Inventors: Robert W. Honeycutt, Pawleys Island,

SC (US); Joseph N. Lane, Murrells Inlet, SC (US); Carson Allan Jones, Andrews, SC (US); Paul Thomas King, Jr., Florence, SC (US)

(73) Assignee: Safe Rack LLC, Andrews, SC (US)

(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: 15/466,465

(22) Filed: Mar. 22, 2017

(65) Prior Publication Data

US 2017/0275888 A1 Sep. 28, 2017

Related U.S. Application Data

- (60) Provisional application No. 62/312,260, filed on Mar. 23, 2016.
- (51) Int. Cl.

 E04F 11/035 (2006.01)

 E04F 11/112 (2006.01)

 E04F 11/025 (2006.01)

 E04F 11/02 (2006.01)

 E04F 11/18 (2006.01)

(52) U.S. Cl.

CPC *E04F 11/035* (2013.01); *E04F 11/025* (2013.01); *E04F 11/112* (2013.01); *E04G 27/00* (2013.01); *E04F 2011/0209* (2013.01); *E04F 2011/187* (2013.01); *E04F 2011/1868* (2013.01)

(10) Patent No.: US 10,640,983 B2

(45) **Date of Patent:**

May 5, 2020

(58) Field of Classification Search

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

1,460,680 A	7/1923	Peters	
1,576,635 A	3/1926	Douglas	
1,593,783 A	7/1926	Stresau	
1,960,863 A	5/1934	Boyer	
	(Con	ntinued)	

FOREIGN PATENT DOCUMENTS

CA	2421184 A1	3/2002
CA	2491124 A1 (Conti	1/2004 inued)

OTHER PUBLICATIONS

"Multi-Access Component System Assembly Guide," Cabis Incorporated, 2002, modified in 2005, all enclosed pages cited.

Primary Examiner — Marcus Menezes (74) Attorney, Agent, or Firm — Nelson Mullins Riley & Scarborough, LLP

(57) ABSTRACT

A platform system comprising a platform structure having at least one modular platform unit with platform connection features on a side surface thereof to which other components can be connected, the other components including at least two of the following: another modular platform unit, a stair unit, a tower unit, a handrail unit, and a ladder unit. A stair assembly is connected to the platform structure via said connection features, the stair assembly comprising a plurality of stair units connected together to provide a number of steps equal to the sum of steps of the stair units.

9 Claims, 14 Drawing Sheets

