# 

### (11) **EP 4 234 814 A3**

#### (12)

#### **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 11.10.2023 Bulletin 2023/41

(43) Date of publication A2: **30.08.2023 Bulletin 2023/35** 

(21) Application number: 23174347.7

(22) Date of filing: 18.09.2018

(51) International Patent Classification (IPC): **E01F** 9/529 (2016.01)

(52) Cooperative Patent Classification (CPC): **E01F** 9/529

(84) Designated Contracting States:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

(30) Priority: 18.09.2017 GB 201715009 10.01.2018 GB 201800365

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 18779426.8 / 3 684 978 (71) Applicant: Brady Corporation Ltd
Oxford, Oxfordshire OX16 3JU (GB)

(72) Inventors:

 BARNES, Edward Sale, M33 3RX (GB)

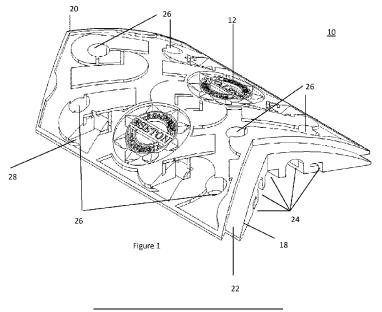
 INGLEBY, Paul Southam, CV47 2YP (GB)

(74) Representative: Barker Brettell LLP
100 Hagley Road
Edgbaston
Birmingham, West Midlands B16 8QQ (GB)

#### (54) SPEED BUMP

(57) A speed bump section 10, 30, 50; 110, 130, 150 is provided for use in a modular speed bump. The speed bump section comprises an end configured to engage with another speed bump section. The end is one of (i) a male end 16, 36; 116, 136 having a first plurality of sides angled with respect to each other, and a male connector 20, 38; 120, 138 having a corresponding first plurality of sides angled with respect to each other; and (ii)

a female end 18, 56; 118, 156 having a second plurality of sides angled with respect to each other and configured to receive a said male end, and a female connector 22, 58; 122, 158 having a corresponding second plurality of sides angled with respect to each other and configured to engage with a said male connector. A modular speed bump comprising a plurality of speed bump sections is also provided.





Category

Х

Х

#### **EUROPEAN SEARCH REPORT**

**DOCUMENTS CONSIDERED TO BE RELEVANT** 

KR 2011 0130230 A (SHINDO INDUSTRY CO LTD

Citation of document with indication, where appropriate,

of relevant passages

\* the whole document \*

11 April 1986 (1986-04-11) \* the whole document \*

[KR]) 5 December 2011 (2011-12-05)

FR 2 571 395 A1 (SERRANO L [FR])

**Application Number** 

EP 23 17 4347

CLASSIFICATION OF THE APPLICATION (IPC)

INV.

E01F9/529

Relevant

to claim

1-8

9-15

5

10

15

20

25

30

35

40

45

50

55

	The whole document				
A	WO 00/12822 A1 (TRICO BOUND KEITH R [GB]) 9 March 2000 (2000-03 * page 3, line 8 - pa		1-8		
A	WO 2010/056142 A1 (NI 20 May 2010 (2010-05- * page 2, line 25 - p figures 1-13 *	-20)	1-8		
A.	CN 202 347 467 U (FU)	 UIAN MINNAN	9-15		
_	CONSTRUCTION ENG CO I 25 July 2012 (2012-07	TD)		TECHNICAL FIELDS SEARCHED (IPC)	
	* paragraph [0009]; f			E01F	
	_	·			
	The present search report has bee	·			
Place of search		Date of completion of the search		Examiner	
	34	30 August 2023	Flo	ores Hokkanen, P	
	Munich	30 August 2023			
X : par Y : par doo A : tec	CATEGORY OF CITED DOCUMENTS  ticularly relevant if taken alone ticularly relevant if combined with another cument of the same category hnological background n-written disclosure	T : theory or principle E : earlier patent doc after the filing dat D : document cited ir L : document cited	ument, but publi e n the application or other reasons	ished on, or	



Application Number

EP 23 17 4347

	CLAIMS INCURRING FEES					
	The present European patent application comprised at the time of filing claims for which payment was due.					
10	Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):					
15	No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.					
20	LACK OF UNITY OF INVENTION					
	The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:					
25						
	see sheet B					
30						
	All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.					
35	As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.					
40	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:					
45	None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:					
50	mot monuoned in the olaims, namely olaims.					
55	The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).					



## LACK OF UNITY OF INVENTION SHEET B

Application Number EP 23 17 4347

5

10

15

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-15

speed bump section with an end configured to engage with another speed bump section having a plurality of sides angled with respect to each other

1.1. claims: 9-15

modular speed bump comprising sections with channels and a support having projections to engage with the channels  $\,$ 

Please note that all inventions mentioned under item 1, although not necessarily linked by a common inventive concept, could be searched without effort justifying an additional fee.

25

20

30

35

40

45

50

55

#### EP 4 234 814 A3

#### ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 23 17 4347

5

55

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

30-08-2023

									30-08-2023
10			Patent document ed in search report		Publication date		Patent family member(s)		Publication date
		KR	20110130230		05-12-2011	NONE			<u>'</u>
15		FR		A1	11-04-1986	NONE			
		WO	 0012822			AU	9038398		21-03-2000
						DE	69836103	Т2	06-06-2007
						EP	1108089	A1	20-06-2001
						WO	0012822		09-03-2000
20		WO	2010056142	 A1	20-05-2010	CA	27 <b>4</b> 3936		
						EP	2367983	A1	28-09-2011
						${ t PL}$	218323		28-11-2014
						US	2011217116		08-09-2011
25						WO	2010056142	A1	20-05-2010
			202347467		25-07-2012	NONE			
30									
35									
40									
45									
50									
	RM P0459								
	ME								

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82