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(72) Inventors:
• **Hendrych, Pavel**
Mladá Boleslav III (CZ)
• **Rehák, Milan**
Praha 4, Podolí (CZ)
• **Kares, Jiri**
Svitavy, Lány (CZ)
• **Hartmann, Pavel**
Policka, Horní Predmestí (CZ)

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(71) Applicant: **RP Climbing s.r.o.**
572 01 Policka, Horní Predmestí (CZ)

(74) Representative: **Kolator, Kamil**
Dobiášova 1246/29
460 06 Liberec VI - Rochlice (CZ)

(54) **EXPRESS LOOP**

(57) The aim of the technical solution is to provide a strong and lightweight two-mesh express loop that is easy to manufacture. This task is fulfilled by the design according to the present application, wherein the loop is made of a single piece of textile webbing (1) which is folded so that the central part (2) of the loop consists of

5 layers of webbing and the side loops (3a, 3b) consist of two layers of webbing. The strap, thus assembled, is sewn together in its central part at the sides (5) and in at least two places across (4). This gives a strong central part of the loop and sufficient strength to the side loops.

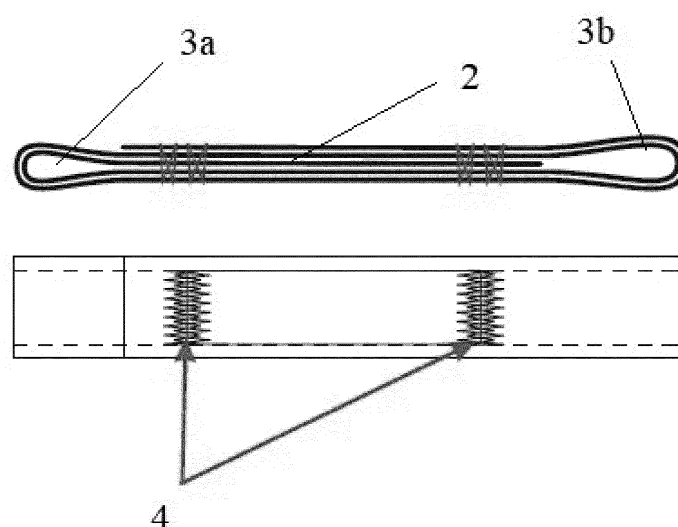


Fig. 2

Description

Area of technology

[0001] The technical solution concerns a loop strap for connection with two carabiners, mainly for mountaineering, all forms of sport and traditional climbing, work and movement at heights and rescue forces. 5

(1), characterized in that the strap (1) is folded in such a way that the central part (2) of the strap (1) consists of five layers and the side lugs (3a) and (3b) consist of two layers of strap (1), wherein in the central part (2) the layers of the strap (1) are sewn together by at least one stitch (4) and the entire central part (2) of the strap (1) is sewn together by stitches (5) on both sides of the strap (1).

State of the art

[0002] There are currently many linking straps for at least two carabiners on the market, where they always consist of at least two lugs and a linking part. They are made of different materials, most commonly from textile straps folded differently on top of each other, or by inter-connecting different materials such as textile and metal, textile and plastic and the like. Also known in the prior art there is the patent application No. US 2018/0001144, wherein the loop is made of a strap having 4 layers in its central part and the two loops are made of two layers of strap. 10 15 20

The essence of the technical solution

[0003] The aim of the technical solution is to provide a strong and lightweight two-mesh express loop that is easy to manufacture. This task is fulfilled by the design according to the present application, whereby the loop is made of a single piece of textile strap which is folded so that the central part of the loop consists of at least 5 layers of strap and the side lugs consist of at least two layers of strap. The strap, thus assembled, is sewn together in its central part at the sides and in at least two places across. This gives a strong central part of the loop and sufficient strength to the side lugs. 25 30 35

Explanation of the drawings

[0004] The technical solution will be explained in more detail by means of the drawings showing the twisted strap before stitching in Figure 1 and the stitched product in Figure 2. 40

Example of technical solution implementation

[0005] A strap 1 is folded in such a way that the central part 2 of the strap 1 consists of five layers of the strap 1 and the side lugs 3a and 3b consist of two layers of the strap. In the central part 2, the layers of strap 1 are sewn together with two stitches 4 and the entire central part 2 of strap 1 is sewn together with stitches 5 on both sides of strap 1. 45 50

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Claims

1. An express loop composed of a single piece of strap

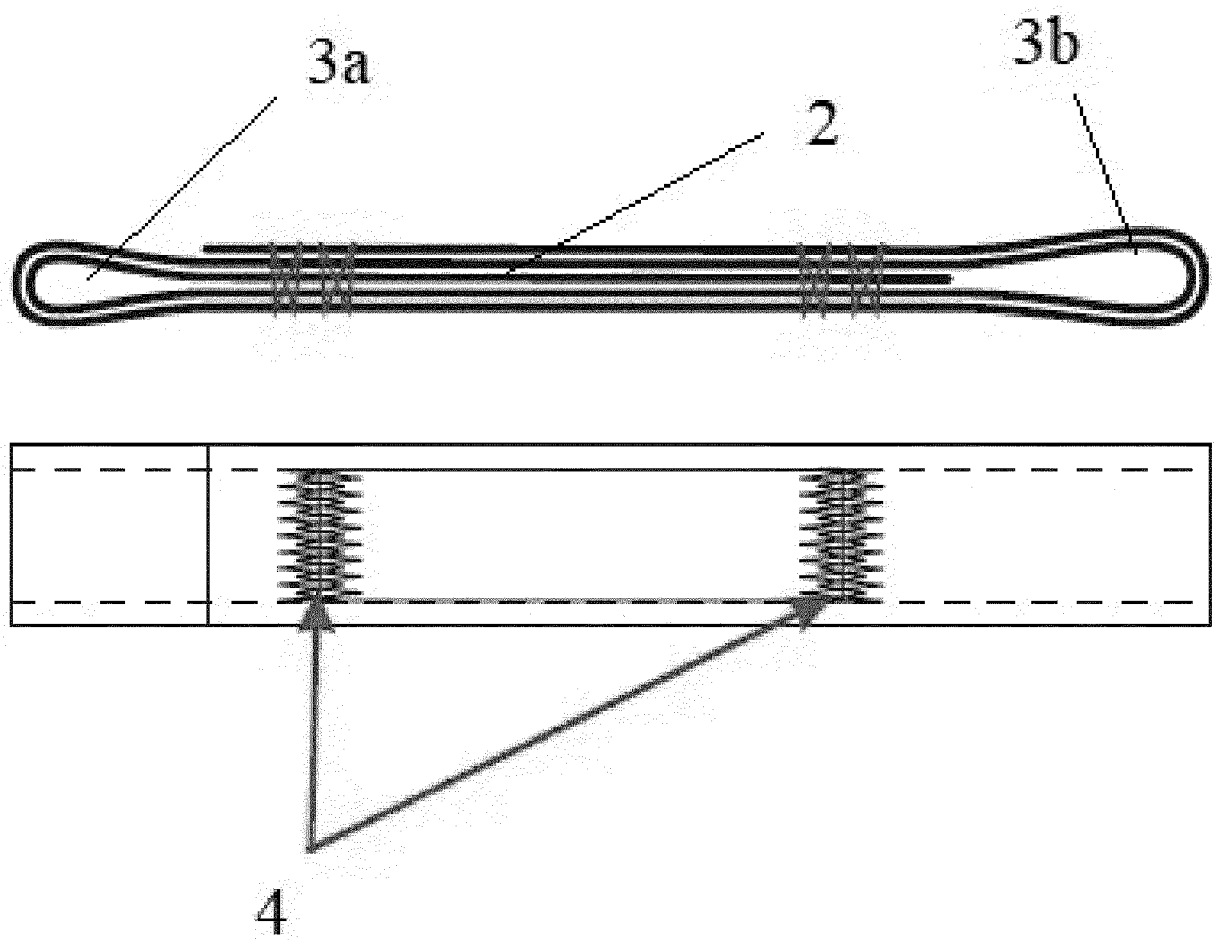


Fig. 2

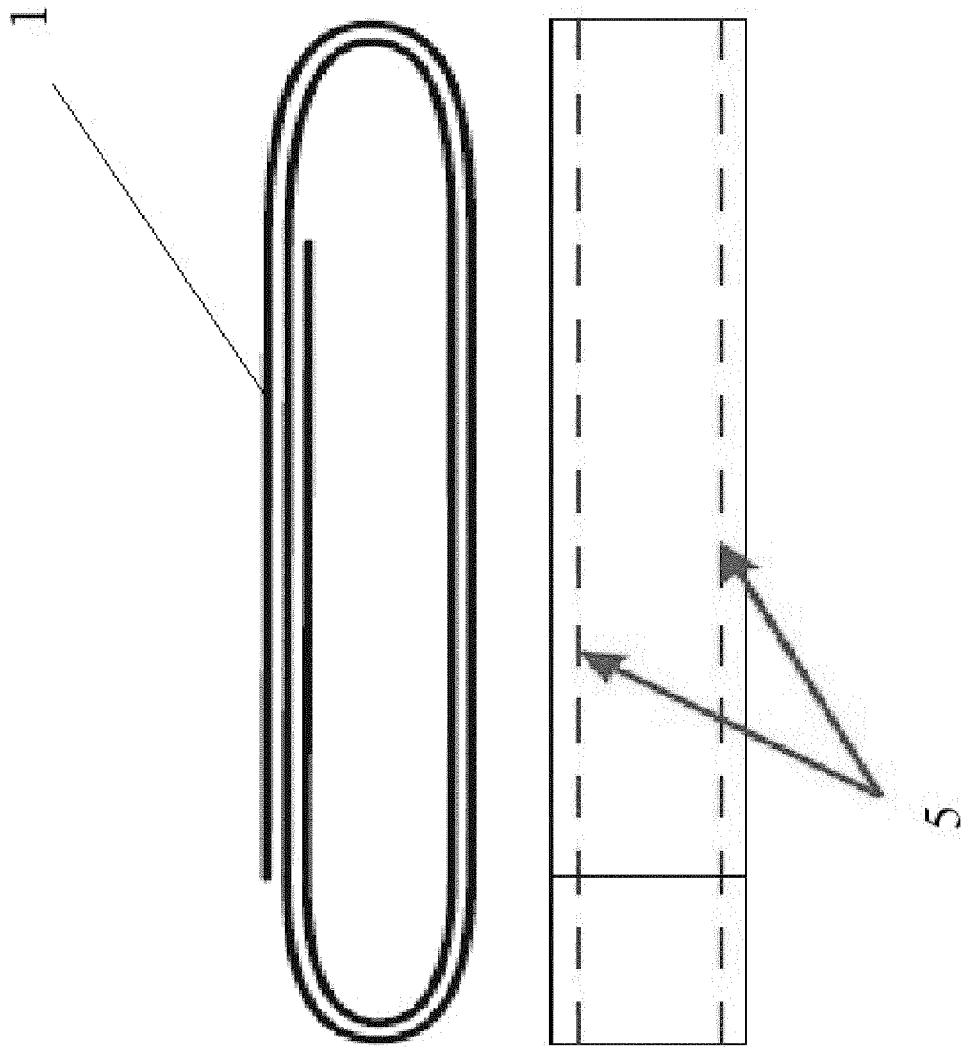


Fig. 1



EUROPEAN SEARCH REPORT

Application Number

EP 23 02 0141

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EPO FORM 1503 03.82 (P04C01)

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	JP S56 96071 U (J) 30 July 1981 (1981-07-30) * Detailed description; figures 1, 2, 6 *	1	INV. A63B29/02 B66C1/18
X	US 2 985 480 A (OTLEY JOHN A) 23 May 1961 (1961-05-23) * column 2, line 13 - column 3, line 60; figures 2, 3 *	1	
X,D	US 2018/001144 A1 (PHILLIPS DOUGLAS [US]) 4 January 2018 (2018-01-04) * paragraph [0016] - paragraph [0027]; figures 3, 4, 8 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			A63B B66F B66C
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 18 July 2023	Examiner Breuil, Paul
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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

EP 23 02 0141

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18-07-2023

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

REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

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