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TR

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(54) Title: HANDREST FOR A MUSICAL INSTRUMENT, ESPECIALLY BASSOON

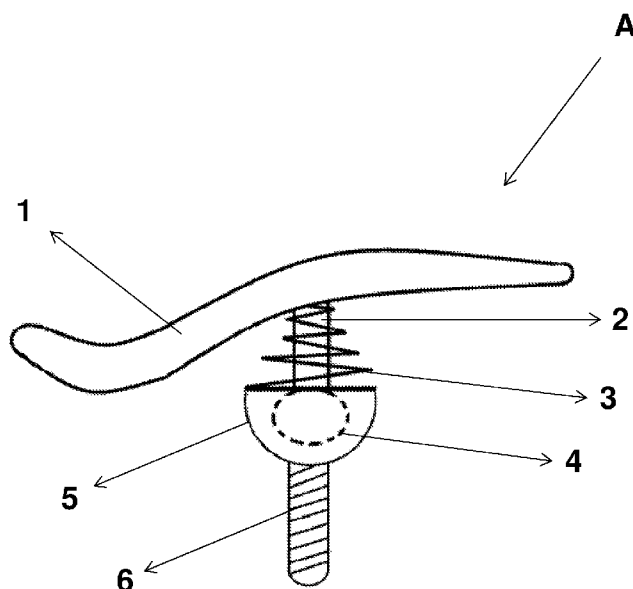


Figure 3

(57) Abstract: The present invention relates to a handrest used as a right hand support during the performance of a musical instrument called bassoon.



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- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

HANDREST FOR A MUSICAL INSTRUMENT, ESPECIALLY BASSOON

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TECHNICAL FIELD OF THE INVENTION

This invention is about the improvement of a specific part called "HANDREST360" (handrest) of the musical instrument called "bassoon" used as right hand support during
10 execution.

PRIOR ART

Bassoon is derived from "Curtal" which is a single pieced instrument with double
15 reed, encountered in Europe of 16th century. Sound interval of bassoon is 3.5 octave and it is made of maple wood and metal joints. Bassoon is the developed version of a member folded in two and carved as a cone.

Handrest is used as right hand support during bassoon performance. There are many types of support called handrest for right-hand support.

20 In the state of the art, the reason for the existence of a wide variety of handrest is related to both the different physiological structure of humans and the finger positions required by the work performed.

The fixed handrest present in the conventional system of the prior art provides comfort in some positions but not in other positions. In the traditional system, this problem
25 is tried to be solved by using different forms of fixed handrest.

In the state of the art patent documents US7566825B2 and JP2008139766A are included. These patent documents describe handrest holders. The handrest and the handrest holders of the present invention do not have a practical structure for use in every bassoon. Figure-1 shows the shapes of asparagus holders of different bassoon brands. Each handrest
30 holder has different screw locations. Opening new screw holes on the instrument for a new asparagus holder is not desirable for instrument owners. Since the bassoon prices are high, it is not preferred to open new screw holes by deteriorating the authenticity of the bassoon as it will hold a new handrest holder.

BRIEF DESCRIPTION OF THE INVENTION

The current invention relates to a handrest that is used as a right hand support during the performance of a musical instrument called bassoon, which satisfies the aforementioned requirements.

5 The object of the invention is to facilitate thrills in all octaves used in the right hand in the bassoon.

Another object of the invention is to provide ease of access for curtains that are difficult to reach when played with fixed handrest as it maneuvers like a 360-degree car gear lever in all positions made with the right hand.

10 Another object of the invention is to provide universal performance for each performer regardless of the way of using the bassoon and the angle in which the performers using different bassoon conveying apparatus and es pipe can quickly eliminate the difficulty of playing at the different position given by this change due to the change of hand positions.

15 It is a further object of the invention to control all inclinations and body contours of the body so that the handrest fits the performer.

Another object of the invention is to neutralize differences in physiological length and shortness of the fingers.

Another object of the invention is to minimize the orthopedic problems caused by the holding position of the bassoon, especially in the wrist region.

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BRIEF DESCRIPTION OF THE DRAWINGS

The figures and the related explanations used in order to better explain the handrest developed by this invention is as follows. Figure-1: Top View of Different Handrest Holders with Different Screwing Holes on Bassoon

25 Figure-2: Side View of Handrest Holder

Figure-3: Side View of Handrest with a tapered spring

Figure-4: Side View of Handrest without a tapered spring

DEFINITIONS OF COMPONENTS/ PARTS/ PARTS CONSTITUTING THE INVENTION

In order to further illustrate the handrest developed by the present invention, the parts and parts of the figures are numbered, and the corresponding number of each number is given below.

- 5 A. Handrest
 B. Handrest Holder
 1. Finger Rest Area
 2. Interconnect Pole
 3. Tapered Spring
 10 4. Ball Bearing
 5. Body
 6. Screw

DETAILED DESCRIPTION OF THE INVENTION

15 In this detailed description, the novelty of the invention is illustrated only by examples which will have no limiting effect on a better understanding of the subject matter. Accordingly, in the following description and figures, an handrest is used as a right hand support during the performance of a musical instrument called bassoon.

Figure-2 shows the side view of the handrest holder. The handrest holder (B) is
 20 located in all bassoons. Handrest (A) is placed on the handrest holder (B). However, handrest (A) of the prior art is fixed to the handrest holder (B).

Figure 3 is a view of the handrest (A) of the present invention. The handrest (A) of the present invention is suitable for the handrest holder (B) in each bassoon. What makes the handrest (A) moveable is not in the handrest holder (B) but in the handrest (A)
 25 mechanism. Handrest (A), which has the ability to move during bassoon performance, is centered on the handrest (A) by means of the tapered spring (3) after being used at any angle.

Handrest (A) has;

- A finger rest area (1) where the bassoon performer places his finger on,
 - A screw (6) that secures the handrest (A) to the handrest holder (B),
- 30

- A body (5) on which one end of the screw (6) is fixed and fits on the handrest holder (B),
- A bearing ball (4) which is placed inside the body (6) and enables the handrest (A) to move 360 degrees,
- 5 • To the interconnecting pole (2) providing the connection between the ball bearing (4) and the finger rest area (1),

In one embodiment of the invention, handrest (A) has a tapered spring (3) that surrounds the interconnecting pole (2) and allows the handrest (A) to be centered after being used at an angle.

10

CLAIMS

1. A handrest used as a right hand support during the performance of a musical instrument called bassoon (A), characterized by comprising;
- 5
- A finger rest area (1) where the bassoon performer places his finger on,
 - A screw (6) that secures the handrest (A) to the handrest holder (B),
 - A body (5) on which one end of the screw (6) is fixed and fits on the handrest holder (B),
 - A bearing ball (4) which is placed inside the body (6) and enables the

10

 - handrest (A) to move 360 degrees,
 - An interconnecting pole (2) which provides the connection between the ball bearing (4) and the finger seating (1),
2. A handrest according to Claim 1, characterized in that it comprises a conical spring
- 15
- (3) that surrounds the interconnecting pole (2) and allows the handrest (A) to be centered after being used at an angle.

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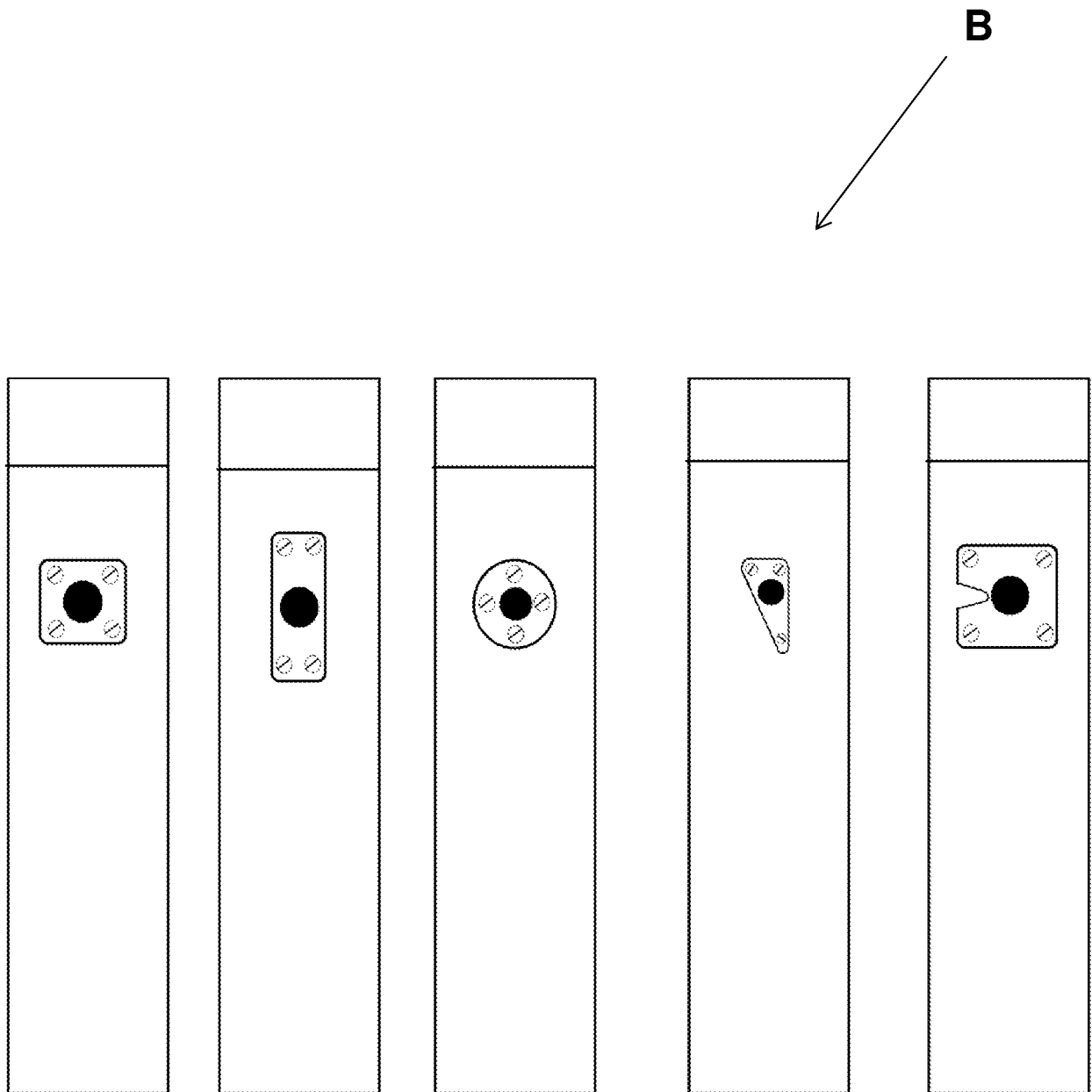


Figure 1

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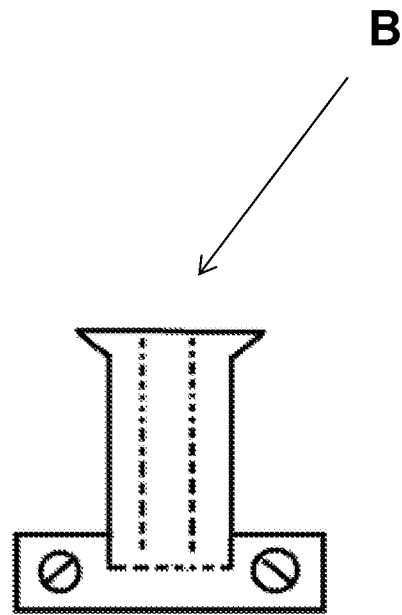


Figure 2

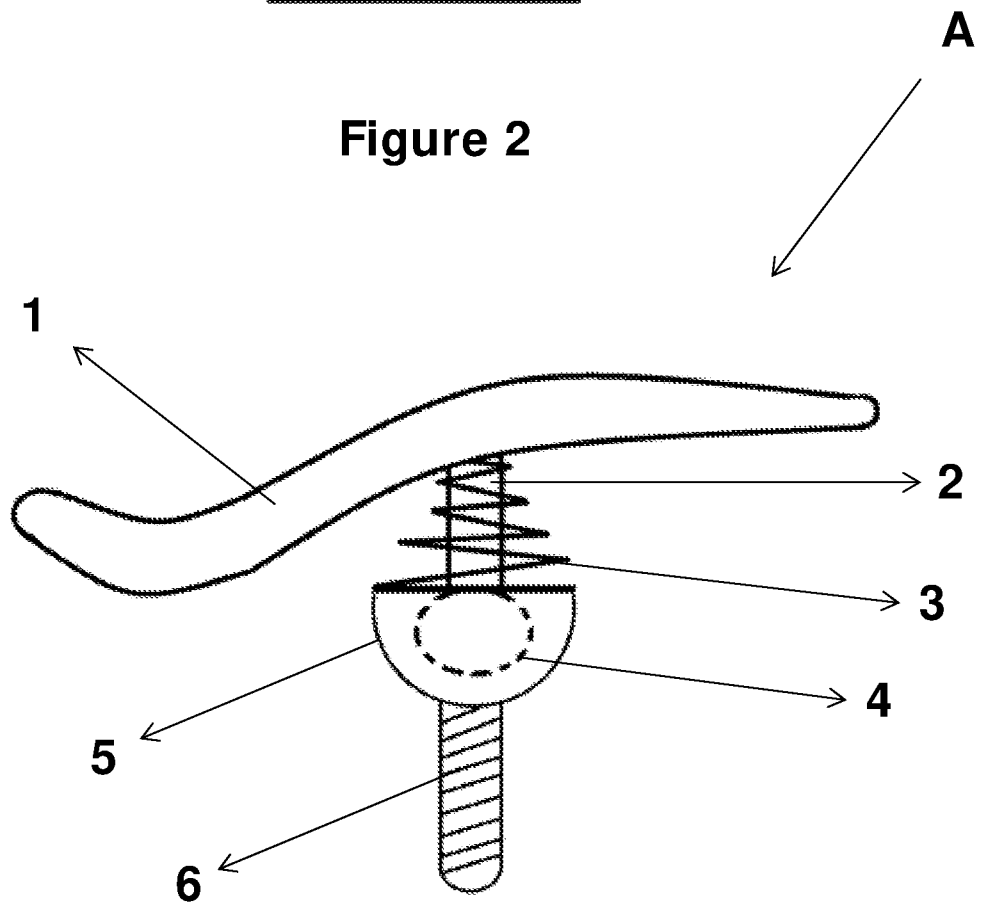


Figure 3

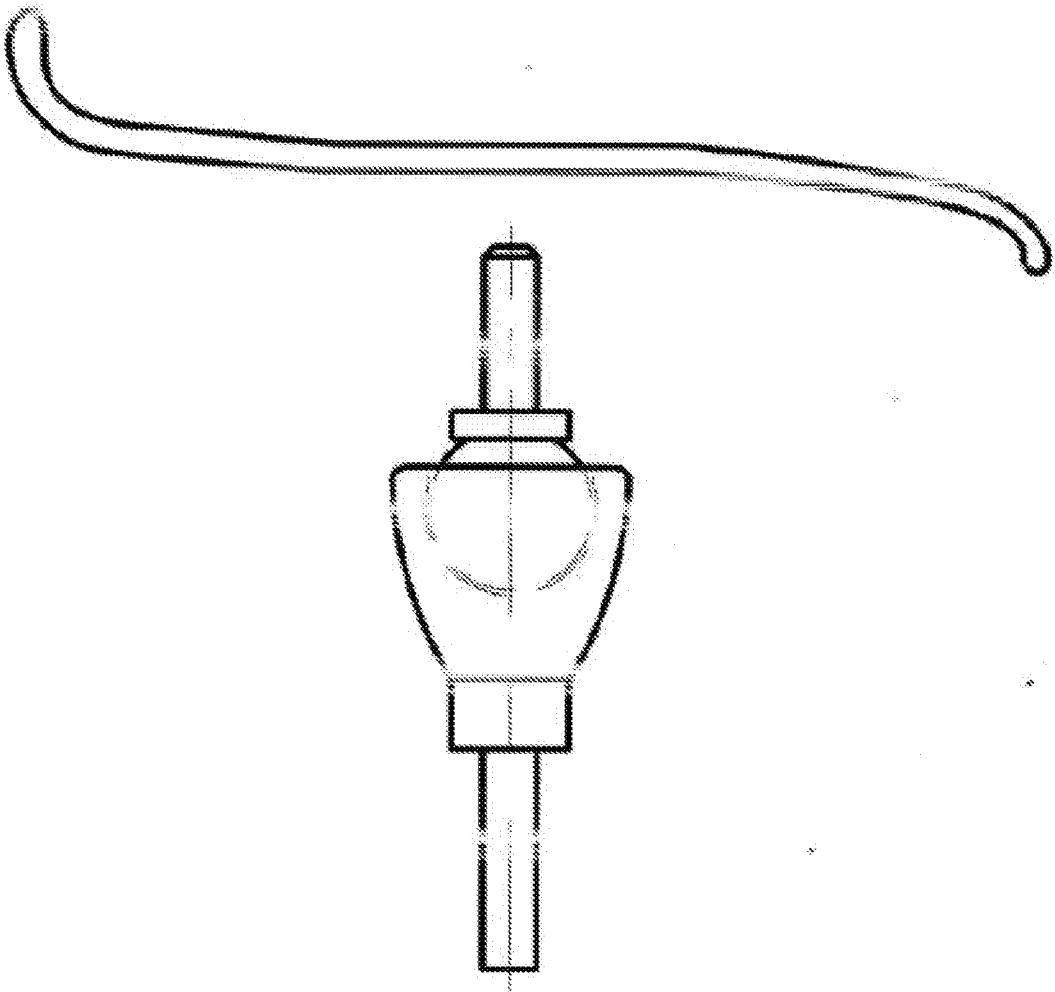


Figure 4

INTERNATIONAL SEARCH REPORT

International application No.

PCT/TR2019/050781

A. CLASSIFICATION OF SUBJECT MATTER

G10D 3/18 (2020.01)i; G10D 7/06 (2020.01)i; G10D 9/00 (2020.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G10D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2008139766 A (DOLCE GAKKI KK) 19 June 2008 (2008-06-19) Paragraph [0012], [0016], [0020]-[0029], Fig.1-5	1-2
Y	US 3728928 A (LOOSER U) 24 April 1973 (1973-04-24) column 2-3, Fig.2	1-2
A	WO 0180218 A1 (LAUKKA KARI [FI]) 25 October 2001 (2001-10-25) abstract, Fig.1-2	1-2
A	WO 8804462 A1 (FINDEISEN FELIX [DE]) 16 June 1988 (1988-06-16) abstract, Fig.1	1-2

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

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“E” earlier application or patent but published on or after the international filing date

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“P” document published prior to the international filing date but later than the priority date claimed

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“&” document member of the same patent family

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INTERNATIONAL SEARCH REPORT
Information on patent family members

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
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				FR	2108452	A5	19 May 1972
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