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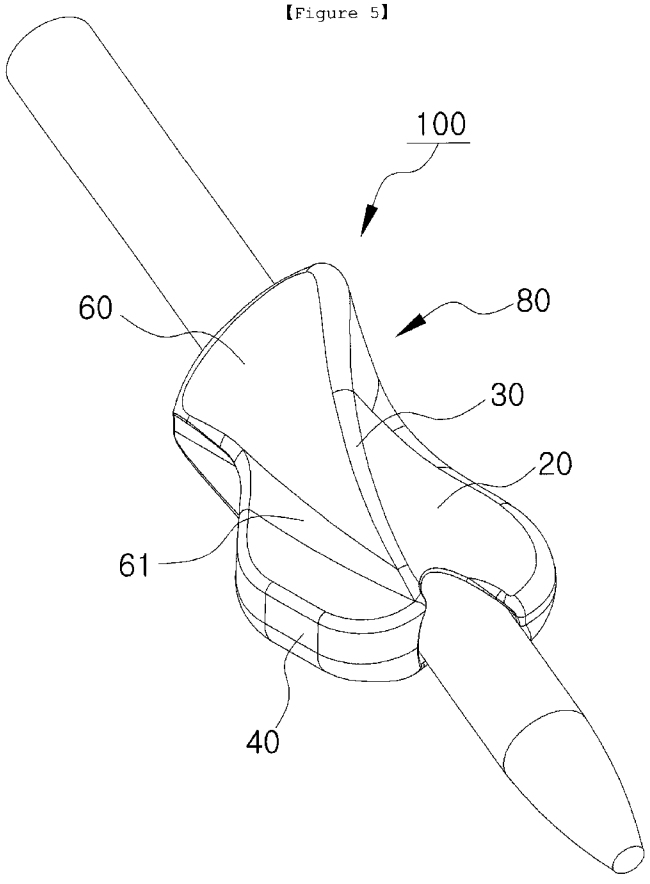
(54) **Title:** CORRECTION DEVICE FOR PEN-GRIPPING

【Figure 5】



(57) **Abstract:** The present invention relates to a device for right grip of writing tools which can seat a thumb and an index finger thereon in a desirable posture, thereby capable of naturally correcting a writing posture during writing with a writing tool. The device for right grip of writing tools according to the present invention includes a single body in which a Large Intestine 4 (LI-4) acupressure point seating part seated on a LI-4 acupressure point between a thumb and an index finger; a thumb seating part recessedly formed so as to seat the thumb thereon.

WO 2008/097047 A1

【DESCRIPTION】

【Invention Title】

THE DEVICE FOR RIGHT GRIP OF WRITING TOOLS

【Technical Field】

The present invention relates to a device for right grip of writing tools, and more particularly, to a device for right grip of writing tools, which can seat a thumb and an index finger thereon in a desirable posture, thereby capable of naturally correcting a writing posture during writing with a writing tool.

【Background Art】

A wrong grip of a writing tool generates deformity of a user's, particularly a child's fingers and causes a strain on fingers, wrists, shoulders, etc.

In more specifically, the normal and desirable grip posture is such that the tip of an index finger is placed lower than the tip of a thumb when grasping a writing tool with the thumb and index finger.

Here, continuous writing for a long time results in an application of forces to meridian point portions at the tips of the fingers. If the tips of the thumb and index finger are at the same level or the tip of the thumb is at the lower

position than the tip of the index finger, the thumb and index finger are subject to much force. This may cause a difficulty in the continuous writing for a long time and is one of main causes of the finger deformity. Therefore, there has been a need for a device for right grip of writing tools, which is capable of providing an effective and natural grip posture as well as keeping the right grip posture in spite of the continuous writing for a long time.

Conventional devices for right grip of writing tools are mostly designed to use a thumb, an index finger and a middle finger, together with or without a ring finger. When the three or four fingers are seated on the right grip devices, it is still difficult to continuously write for a long time since the fingers are poorly ventilated and subject to force.

【Disclosure】

【Technical Problem】

An object of the present invention is, to solve the above problem, to provide a device for right grip of writing tools, which can be grasped only with a grasping force by a thumb and an index finger.

Another object of the present invention is to provide a device for right grip of writing tools, in which the index finger is placed lower than the thumb, thereby capable of

building a desirable writing habit.

【Technical Solution】

A device for right grip of writing tools according to the present invention includes a single body in which a Large Intestine 4 (LI-4) acupressure point seating part seated on a LI-4 acupressure point between a thumb and an index finger; a thumb seating part recessedly formed at the front left side of the LI-4 acupressure point seating part so as to seat the thumb thereon; a thumb contact preventing part protrusively formed at the upper portion of the thumb seating part in a direction along which the thumb pushes the index finger so as to prevent the contact of the thumb and the index finger; an index finger seating part protrusively formed at an upper front right side of the LI-4 acupressure point seating part so as to seat a first joint of the index finger thereon, thereby grasping a writing tool in such a state that the tip of the index finger is placed lower than the tip of the thumb; an index finger spacing part formed from the index finger seating part to the thumb seating part so as to form a curved surface which is spaced apart from the index finger; and an upper surface part which connects the LI-4 acupressure point seating part, an upper portion of the thumb contact preventing part and an upper left portion of the index finger seating part,

are integrally formed, wherein a writing tool inserting hole is formed which passes through a right end portion of the LI-4 acupressure point seating part to a front end portion of the thumb seating part.

Also,The upper surface part is formed with a recess part which is recessedly formed in the same direction as the writing tool inserting direction.

The body is divided into two pieces of the first body and the second body with respect to the writing tool inserting hole, and the first body and the second body are coupled to each other by a protrusion part and a coupling part to which the protrusion part is coupled.

And,The writing tool inserting hole is provided with an elastic means for elastically supporting a writing tool inserted therein.

Preferably, the elastic means is a leaf spring.

Also, a writing tool for right grip according to the present invention includes the device for right grip of writing tools and a writing tool inserted in the device for right grip and formed integrally with the device for right grip.

【Description of Drawings】

The above and other objects, features and advantages of

the present invention will become apparent from the following description of preferred embodiments given in conjunction with the accompanying drawings, in which:

Figs. 1 through 4 are perspective views illustrating a device for right grip of writing tools according to an embodiment of the present invention.

Fig. 5 is a perspective view illustrating the device for right grip of writing tools according to an embodiment of the present invention, into which a writing tool is inserted.

Fig. 6 is an exploded perspective view illustrating the device for right grip of writing tools according to an embodiment of the present invention.

Figs. 7 and 8 are exemplary views illustrating used state of the device for right grip of writing tools according to an embodiment of the present invention.

[Detailed Description of Main Elements]

10: LI-4 AP seating part

20: thumb seating part

30: thumb contact preventing part

40: index finger seating part

50: index finger spacing part

60: upper surface part

61: recess part

70: writing tool inserting hole

71: elastic means

80: body

81: first body

82: second body

90: right grip device

【Best Mode】

Hereinafter, the embodiments of the present invention will be described in detail with reference to accompanying drawings.

Figs. 1 through 4 are perspective views illustrating a device for right grip of writing tools according to an embodiment of the present invention; Fig. 5 is a perspective view illustrating the device for right grip of writing tools according to an embodiment of the present invention, into which a writing tool is inserted; Fig. 6 is an exploded perspective view illustrating the device for right grip of writing tools according to an embodiment of the present invention; and Figs. 7 and 8 are exemplary views illustrating used state of the device for right grip of writing tools according to an embodiment of the present invention.

As shown, the device 100 for right grip of writing tools includes a single body (80) in which a Large Intestine 4 (LI-4) acupressure point seating part 10 seated on the LI-4

acupressure point between a thumb and an index finger; a thumb seating part 20 recessedly formed so as to seat the thumb thereon; a thumb contact preventing part 30 formed at an upper portion of the thumb seating part 20 in a direction along which the thumb pushes the index finger; an index finger seating part 40 protrusively formed so as to seat a first joint of the index finger thereon; an index finger spacing part 50 having a curved surface which is spaced apart from the index finger; and an upper surface part 60 which connects the LI-4 acupressure point seating part 10, the thumb contact preventing part 30 and the upper portion of the index finger seating part 40 are integrally formed, and a writing tool inserting hole 70 is formed in the body 80.

The LI-4 acupressure point seating part 10 is seated on the LI-4 acupressure point between the thumb and the index finger. At this time, the LI-4 acupressure point seating part 10 is formed in such a shape that the tip of the index finger is placed lower than the tip of the thumb. When the tip of the index finger is placed higher than the tip of the thumb or at the same level as the tip of the thumb, the LI-4 acupressure point become larger and thus the LI-4 acupressure point between the thumb and the index finger is expanded. Therefore, the tips of the thumb and the index finger are naturally subject to force during writing, which causes a poor writing

habit.

As such, since the present invention can prevent the tips of the thumb and the index finger from being subject to large force as the tip of the index finger is placed lower than the tip of the thumb, it is possible to build a desirable writing habit.

The thumb seating part 20 is formed at the front left side of the LI-4 acupressure point seating part 10 and is recessed so as to seat the thumb thereon. The thumb seating part 20 is formed together with the LI-4 acupressure point seating part 10 to have such a shape that the tip of the index finger is placed lower than the tip of the thumb.

The thumb contact preventing part 30 is formed at the upper portion of the thumb seating part 20 in the direction along which the thumb pushes the index finger, and protrusively formed so as to prevent that the thumb is in contact with the index finger.

The index finger seating part 40 is formed at the upper front right side of the LI-4 acupressure point seating part 10 and is protrusively formed so as to seat the first joint of the index finger thereon, so that the tip of the index finger is placed lower than the tip of the thumb seated on the thumb seating part 20, thereby grasping a writing tool in such a state that the tip of the index finger is placed lower than

the tip of the thumb.

Accordingly, when grasping the right grip device using the LI-4 acupressure point seating part 10, the thumb seating part 20 and the index finger seating part 40, the tip of the index finger is placed lower than the tip of the thumb. If the tip of the index finger is placed lower than the tip of the thumb as described above, it is possible to write without large bending of the index finger. Therefore, a force required for grasping the writing tool is naturally reduced and thus a desirable writing habit can be build.

The index finger spacing part 50 is formed from the index finger seating part 40 to the thumb seating part 20 so as to form a curved surface which is spaced apart from the index finger. Since the right grip device 100 is spaced apart from the index finger by the index finger spacing part 50, the middle finger, the ring finger and the little finger do not grasp the right grip device 100, thereby eventually capable of grasping the right grip device 100 only with the thumb and the index finger.

The upper surface part 60 forms a surface that connects the LI-4 acupressure point seating part 10, an upper portion of the thumb contact preventing part 30 and a upper left part of the index finger seating part 40 with one another.

The upper surface part 60 is characterized in that the

thumb seating part 20 is formed in the same direction as the writing tool inserting direction. At this time, it is preferable that a recess part 61 recessedly formed in the same direction as that of writing tool inserting direction. As the recess part 61 is formed, it is possible to reduce the weight of the right grip device as well as increase the sense of beauty of the right grip device.

The writing tool inserting hole 70 passes through from the right end part of the LI-4 acupressure point seating part 10 to the front end part of the thumb seating part 20 and a writing tool is inserted into the writing tool inserting hole 70. It is preferable that an elastic means 71 for elastically supporting the inserted writing tool is provided in the writing tool inserting hole 70. More preferably, the elastic means 71 is a leaf spring. With the elastic means 71, it is possible to support the writing tool inserted into the writing tool inserting hole 70 regardless of the thickness of the writing tool.

It may be possible that the right grip device according to the present invention and the inserted writing tool are formed integrally with each other and used as a writing tool for right grip.

The body 80 is divided, as shown in Fig. 6, into two parts with respect to the writing tool inserting hole 70, and

thus includes a first body 81a and a second body 80b. It is preferable that the first body 81a and the second body 80b are respectively provided with protrusion parts 81a and 82a and coupling holes 81b and 82b which are fixedly inserted into the protrusion parts 81a and 82a, and the first body 81a and the second body 80b are coupled to each other by the protrusion parts 81a and 82a and the coupling holes 81b and 82b.

Figs. 7 and 8 are exemplary views illustrating used state of the device for right grip of writing tools according to an embodiment of the present invention.

As shown, it is possible to grasp the right grip tool so that the tip of the index finger is placed lower than the tip of the thumb. Further, since the middle, ring and little fingers are spaced apart from the right grip tool and thus the right grip tool is grasped only with the thumb and the index finger, it is possible to reduce the force for grasping the right grip tool and resultantly build a desirable writing habit.

【Industrial Applicability】

In the device for right grip of writing tools according to the present invention, it is possible to grasp the writing tool with the force of the thumb and the index finger and write in such a state that the index finger is placed lower

than the thumb. Therefore, it is possible to correct naturally the writing posture by building a desirable writing habit as well as to prevent previously lack of concentration, finger deformity, etc.

【CLAIMS】

【Claim 1】

A device for right grip of writing tools, comprising a single body in which

a Large Intestine 4 (LI-4) acupressure point seating part seated on a LI-4 acupressure point between a thumb and an index finger;

a thumb seating part recessedly formed at the front left side of the LI-4 acupressure point seating part so as to seat the thumb thereon;

a thumb contact preventing part protrusively formed at the upper portion of the thumb seating part in a direction along which the thumb pushes the index finger so as to prevent the contact of the thumb and the index finger;

an index finger seating part protrusively formed at an upper front right side of the LI-4 acupressure point seating part so as to seat a first joint of the index finger thereon, thereby grasping in such a state that the tip of the index finger is placed lower than the tip of the thumb;

an index finger spacing part formed from the index finger seating part to the thumb seating part so as to form a curved surface which is spaced apart from the index finger; and

an upper surface part which connects the LI-4 acupressure point seating part, an upper portion of the thumb contact

preventing part and an upper left portion of the index finger seating part, are integrally formed,

wherein a writing tool inserting hole is formed which passes through a right end portion of the LI-4 acupressure point seating part to a front end portion of the thumb seating part.

【Claim 2】

The device for right grip of writing tools as set forth in claim 1, wherein the upper surface part is formed with a recess part which is recessedly formed in the same direction as the writing tool inserting direction.

【Claim 3】

The device for right grip of writing tools as set forth in claim 1 or claim 2, wherein the body is divided into two pieces of the first body and the second body with respect to the writing tool inserting hole, and the first body and the second body are coupled to each other by a protrusion part and a coupling part to which the protrusion part is coupled.

【Claim 4】

The device for right grip of writing tools as set forth in claim 1 or claim 2, wherein the writing tool inserting hole is provided with an elastic means for elastically supporting a writing tool inserted therein.

【Claim 5】

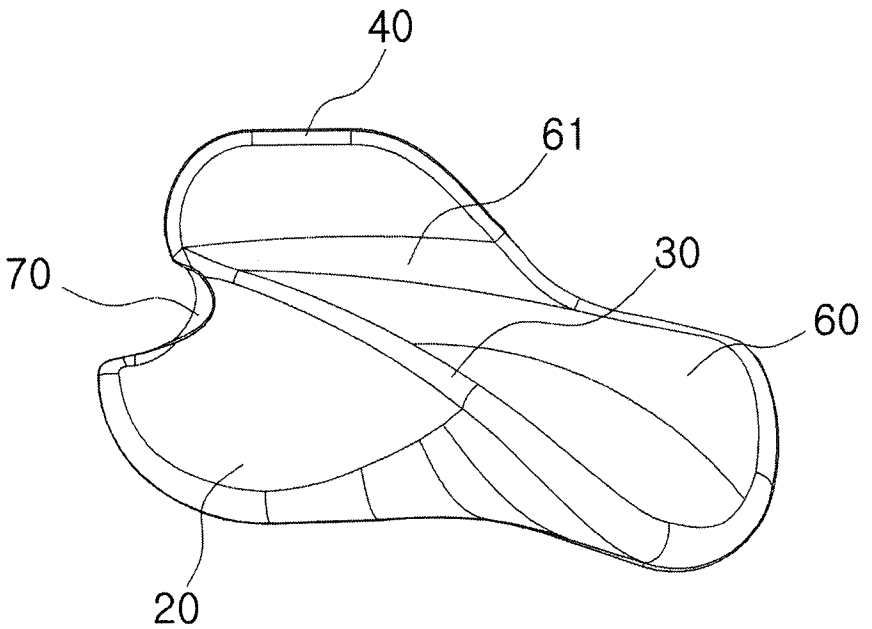
The device for right grip of writing tools as set forth in claim 4, wherein the elastic means is a leaf spring.

【Claim 6】

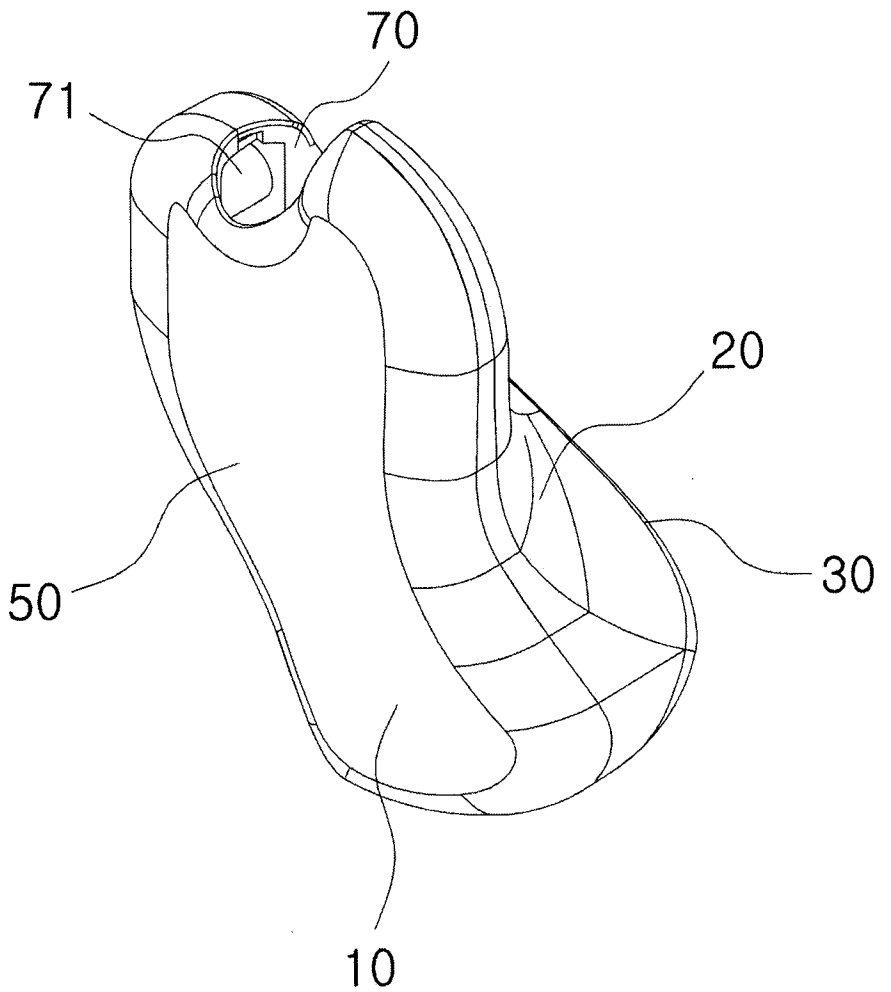
A writing tool for right grip, comprising the device for right grip of writing tools as set forth in claim 1 or claim 2, and a writing tool inserted in the device for right grip and formed integrally with the device for right grip.

【Figures】

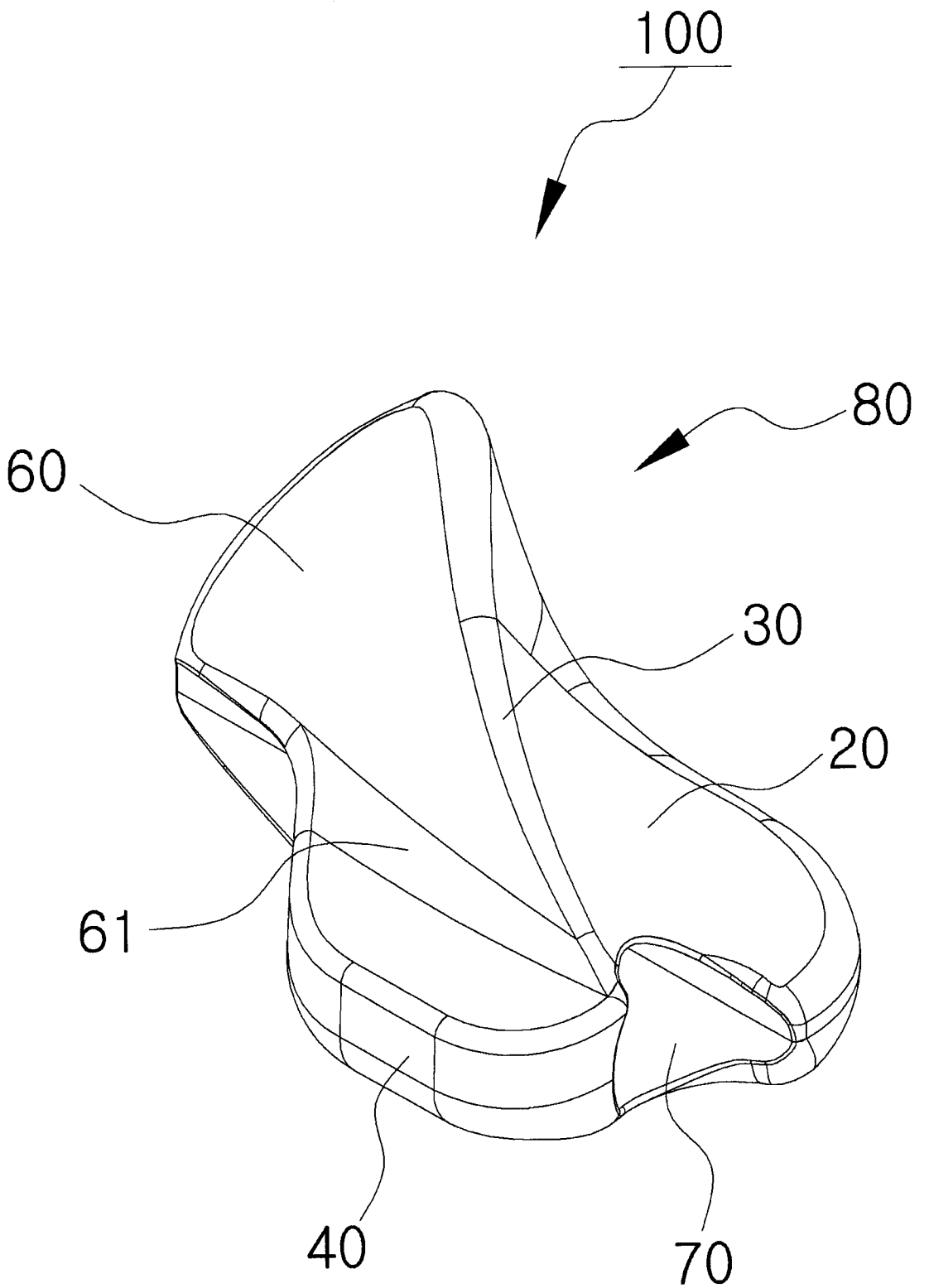
【Figure 1】



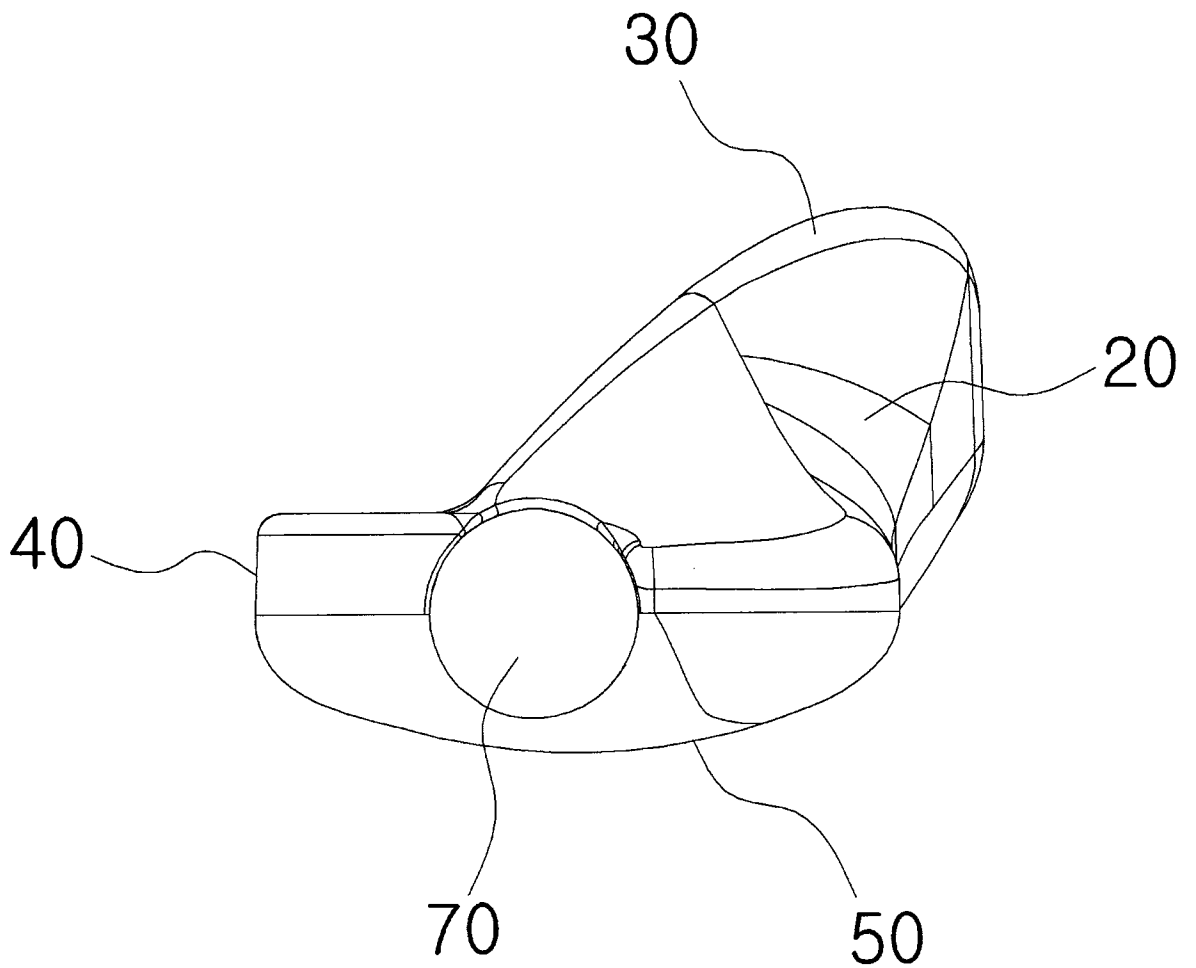
【Figure 2】



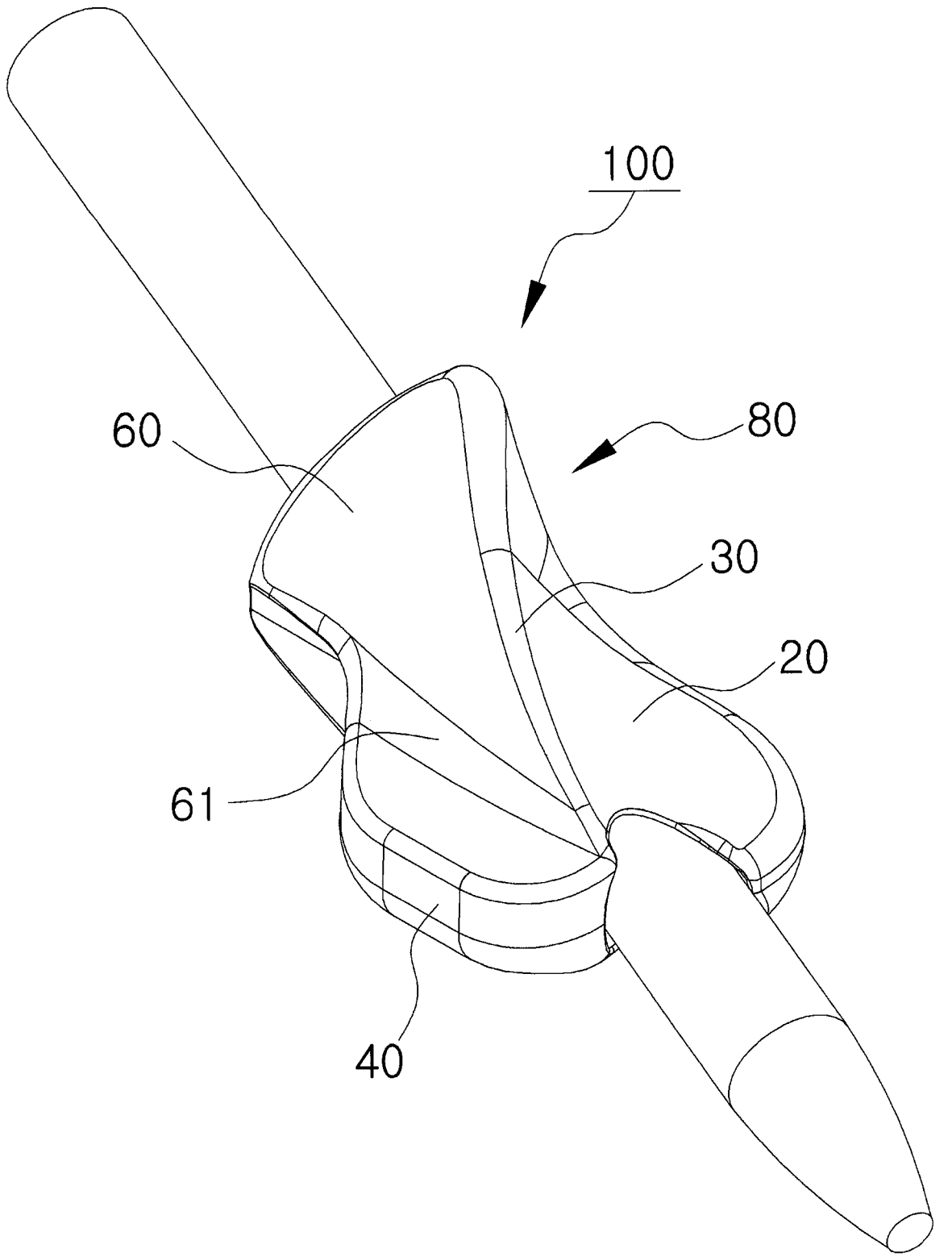
【Figure 3】



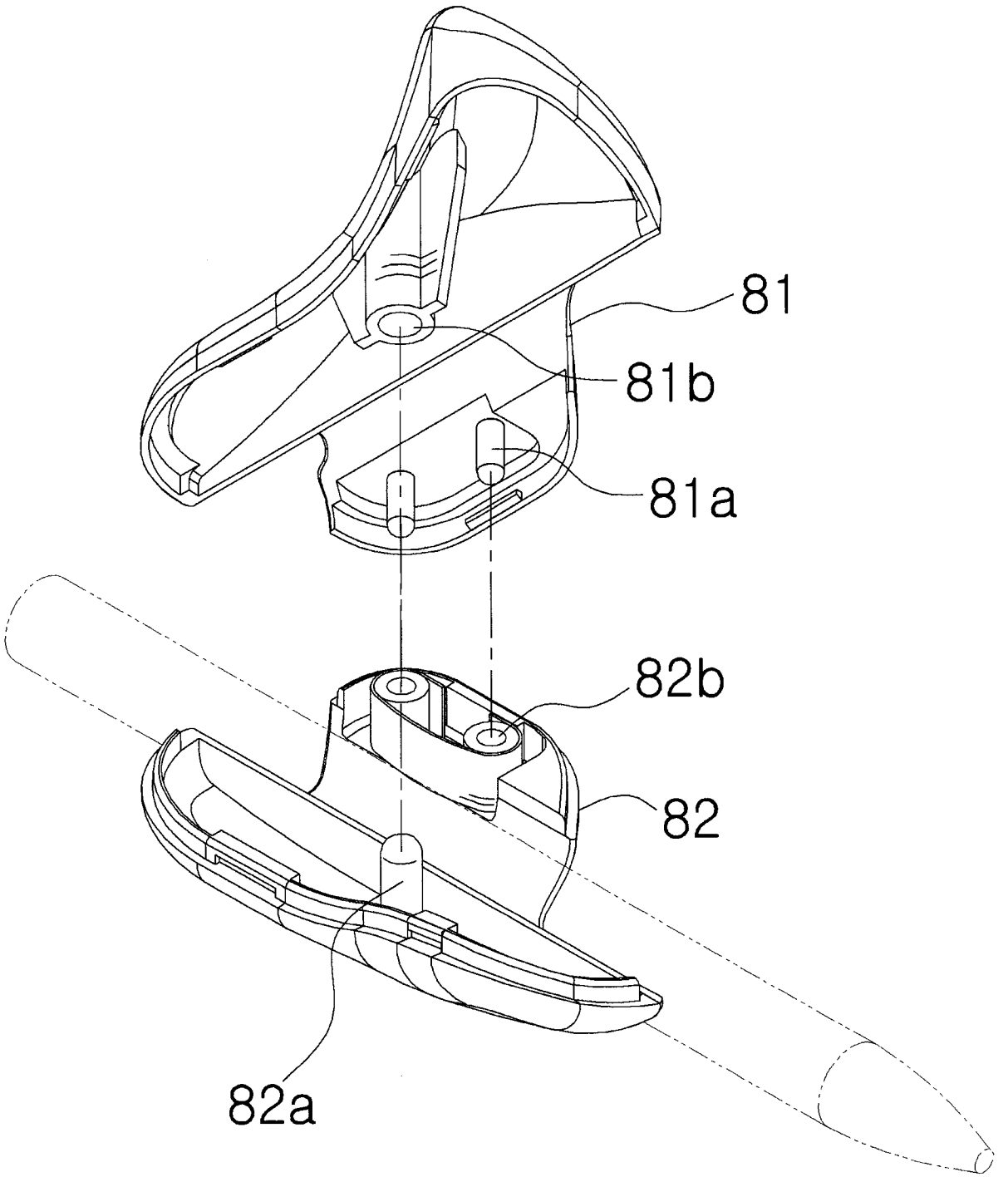
【Figure 4】



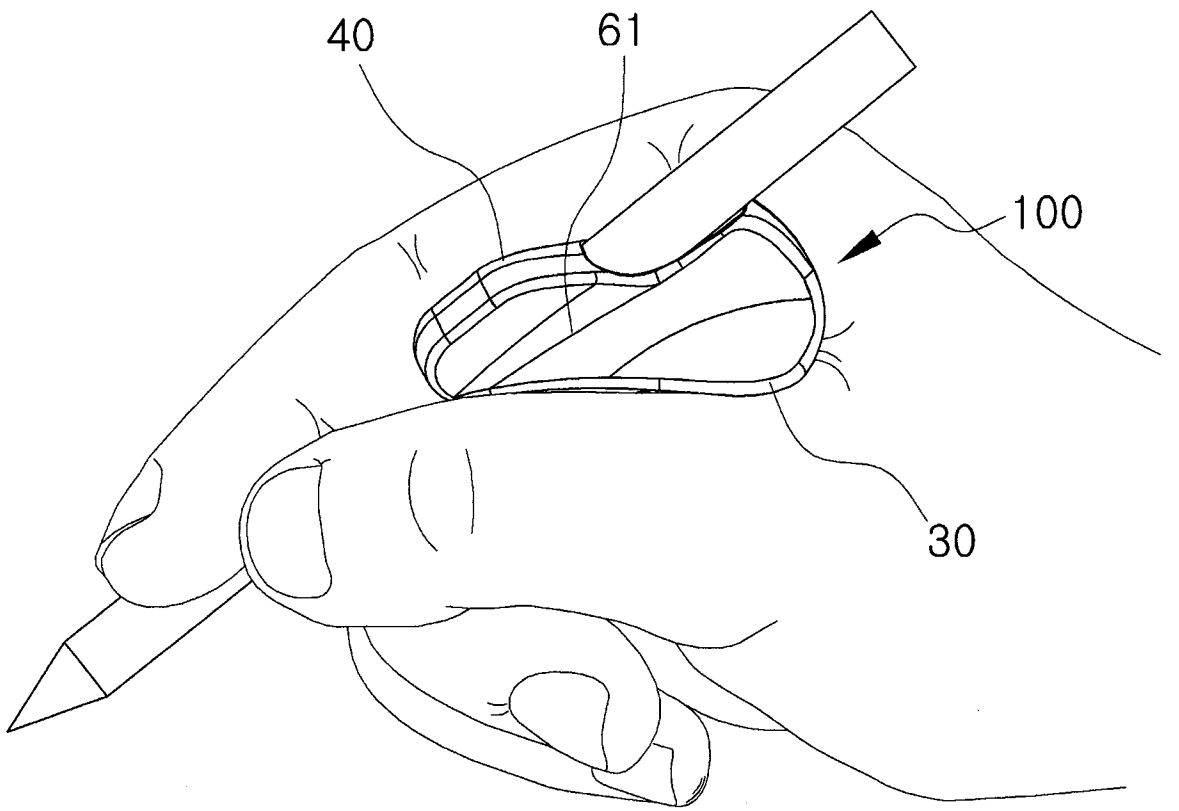
【Figure 5】



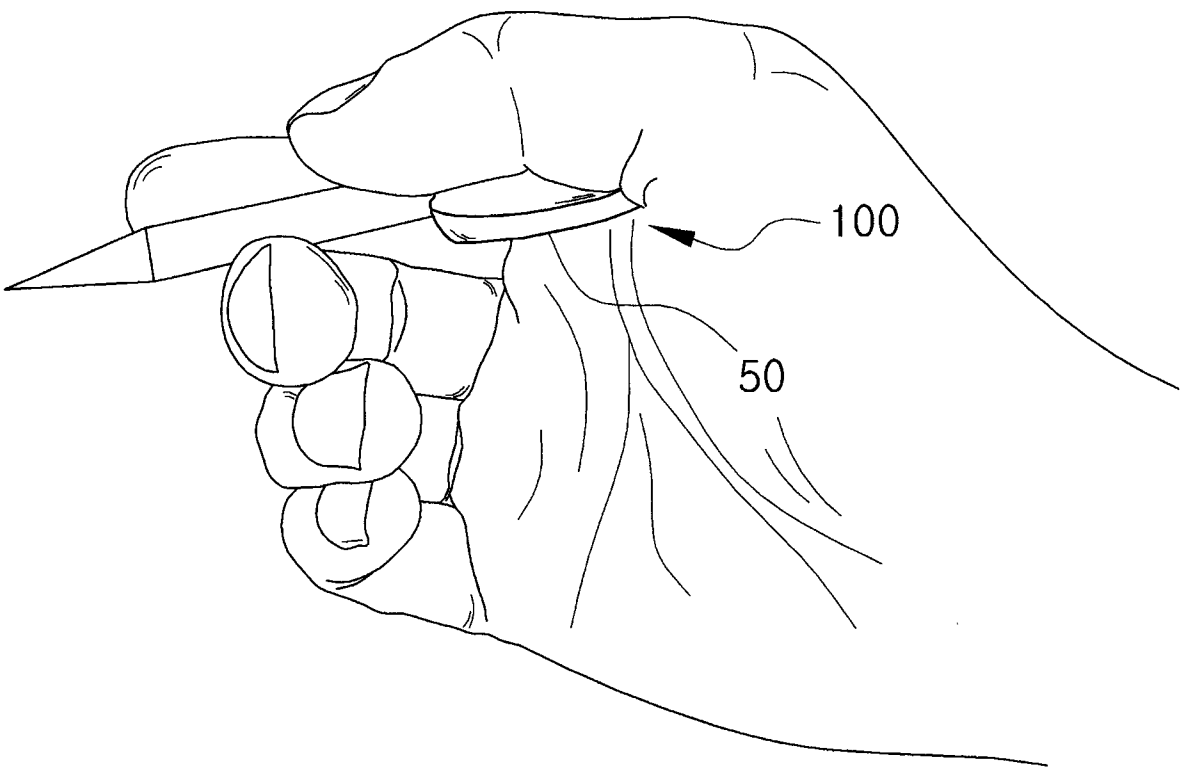
【Figure 6】



【Figure 7】



【Figure 8】



INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2008/000753

A. CLASSIFICATION OF SUBJECT MATTER

B43K 23/008(2006.01)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)

IPC 8: B43K 23/008 B43K 23/02

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

Korean utility models and applications for utility models since 1975
Japanese utility models and applications for utility models since 1975

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

eKIPASS (KIPO internal) & Keywords: grip, pen, correct, and inger

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 54-064533 U (WATANABE YASHIRO) 08 May 1979 See Figure 1 and Claim 1.	1-6
A	KR 10-2005-0087009 A (KIM, HAE IL) 31 August 2005 See Figure 1 and Claims 1-8.	1-6
A	KR 10-2004-0076475 A (KIM, HAE IL) 01 September 2004 See Figure 2, Abstract and Claims 1-2.	1-6

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:
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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents,such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
19 MAY 2008 (19.05.2008)	**19 MAY 2008 (19.05.2008)**

Name and mailing address of the ISA/KR

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KIM, Tae Soo

Telephone No. 82-42-481-8468

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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