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(54) **INSOLE WITH A MEDICINAL INSERT**

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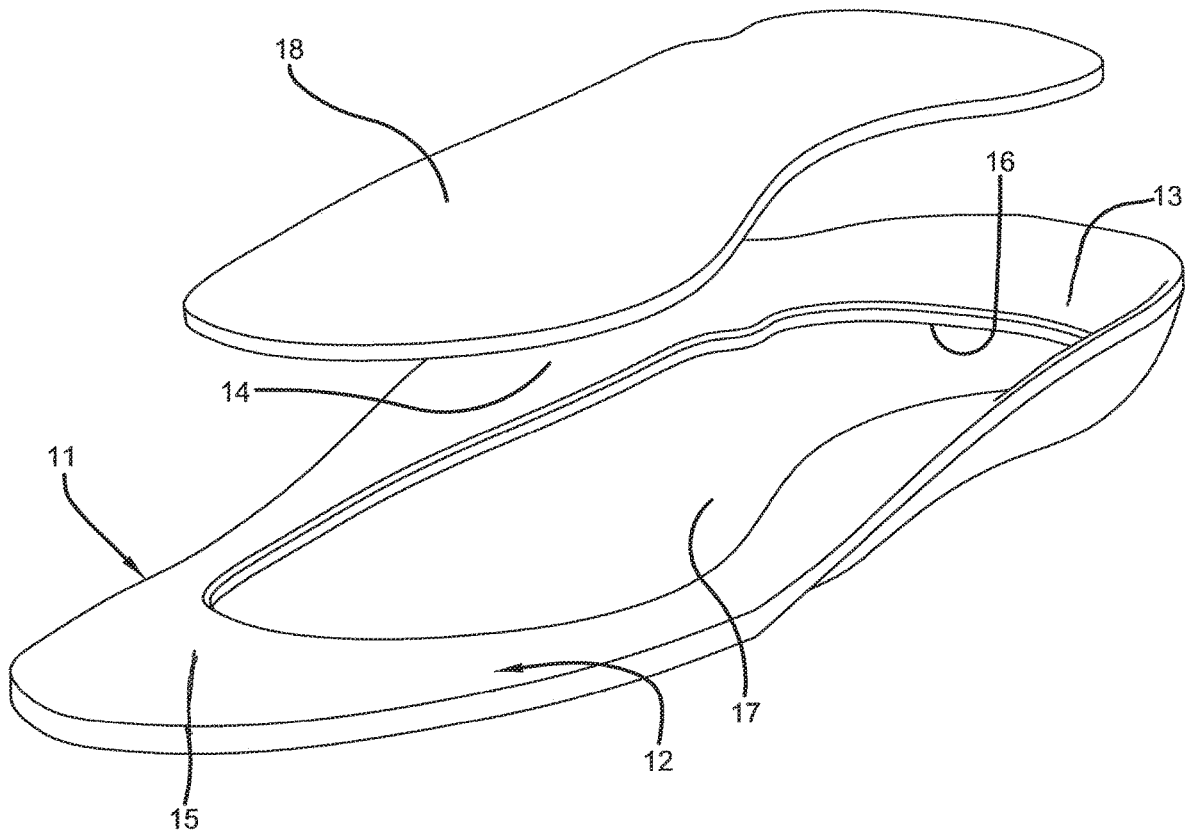
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(57) **ABSTRACT**

**Related U.S. Application Data**

(60) Provisional application No. 62/703,706, filed on Jul. 26, 2018.

An insole (10) includes a body portion (11) having a recess (16) therein. The recess (16) is configured to receive a medically treated insert (18) which is removably attached to the body portion (11).



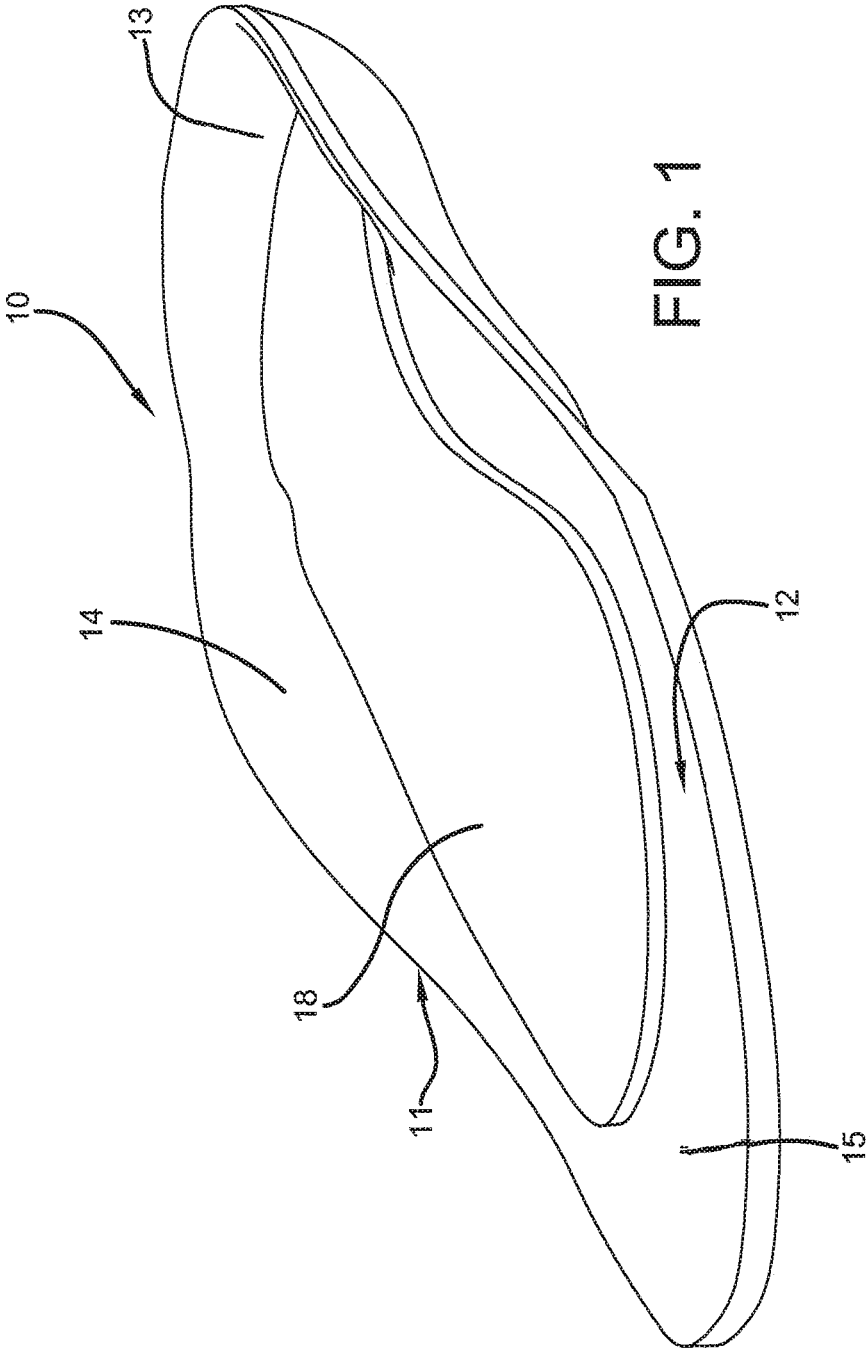


FIG. 1

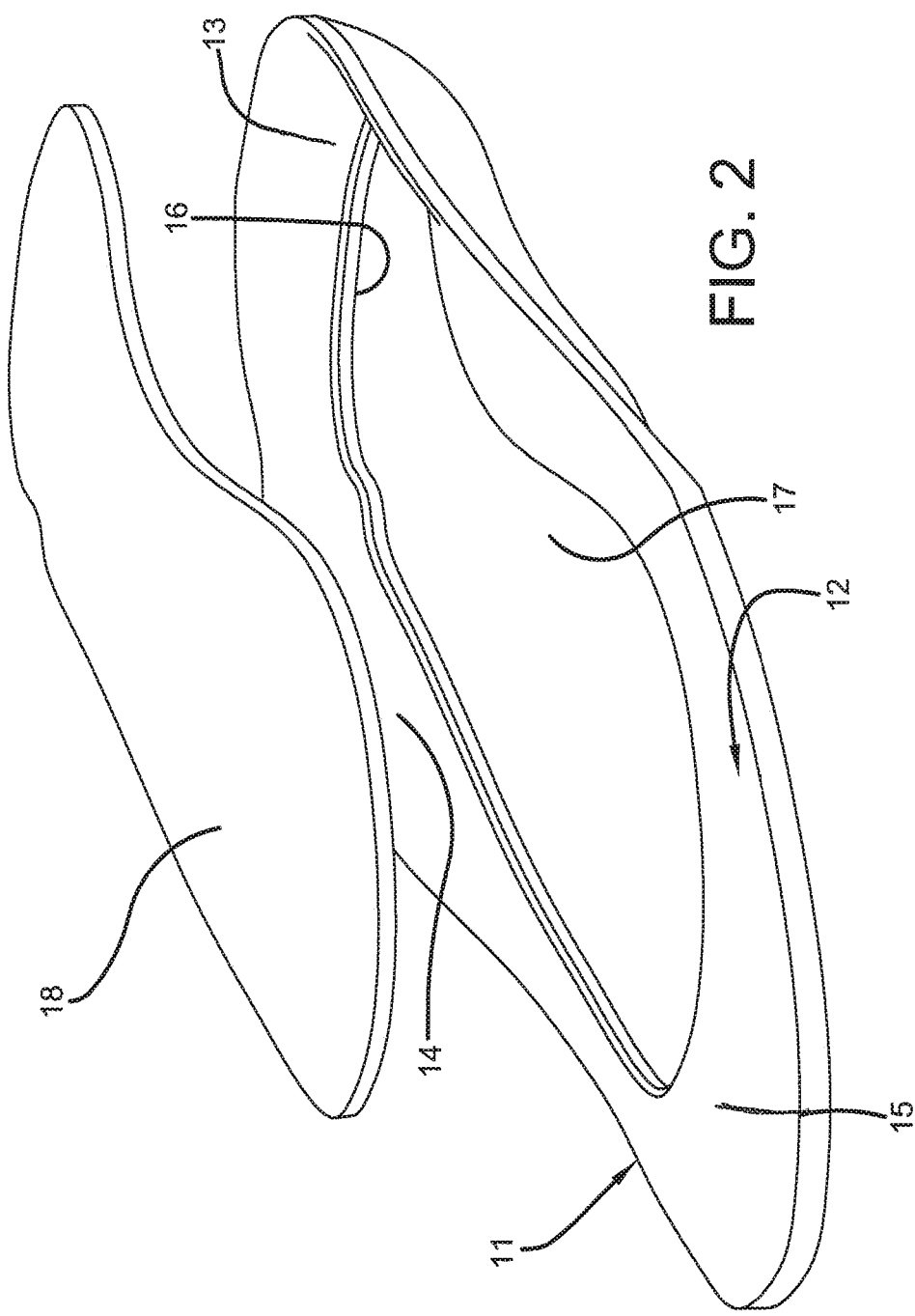


FIG. 2

**INSOLE WITH A MEDICINAL INSERT****CROSS-REFERENCE TO RELATED APPLICATION**

[0001] This application claims priority from U.S. Provisional Patent Application Ser. No. 62/703,706 filed on Jul. 26, 2018, which is incorporated herein by reference in its entirety.

**TECHNICAL FIELD**

[0002] This invention relates to an insole for a shoe which can provide medicinal advantages to its user. More specifically, this invention relates to an insole having a medically impregnated insert which can be replaced when its medicinal effect is spent.

**BACKGROUND ART**

[0003] Insoles for shoes are well known in the art. Such are inserted into the shoe of the user with their typical function being to provide comfort to the foot of the user. Some insoles can be configured so as to provide relief for a user who is plagued with plantar fasciitis or similar ailment.

[0004] It is also known to form insoles with a medicinal material to provide medical relief to the user. Such is shown, for example, in U.S. Pat. No. 2,061,911. While such can be effective if properly constructed, when the medicinal effect is spent, the insole itself must be replaced long before it might be worn out. In addition, such an insole is only effective for one particular ailment, and if the user encounters another ailment, the insole must be replaced.

**SUMMARY OF THE INVENTION**

[0005] It is thus an object of an aspect of the present invention to provide an insole with a medicinal insert.

[0006] It is an object of another aspect of the present invention to provide an insole, as above, in which the insert is readily replaceable when its medicinal effect is spent or when a different medical effect is desired.

[0007] These and other objects of the present invention, as well as the advantages thereof over existing prior art forms, which will become apparent from the description to follow, are accomplished by the improvements hereinafter described and claimed.

[0008] In general, an insole made in accordance with one aspect of the present invention includes a body portion having a recess therein. An insert is configured generally in the shape of the recess and is provided with a medicinal material.

[0009] A preferred insole according to the concepts of the present invention is shown by way of example in the accompanying drawings without attempting to show all the various forms and modifications in which the invention might be embodied, the invention being measured by the appended claims and not by the details of the specification.

**BRIEF DESCRIPTION OF THE DRAWINGS**

[0010] FIG. 1 is a perspective view of an insole made in accordance with the present invention.

[0011] FIG. 2 is an exploded view of the insole of FIG. 1.

**PREFERRED EMBODIMENT FOR CARRYING OUT THE INVENTION**

[0012] An insole made in accordance with the present invention is generally indicated by the numeral **10**. Insole **10** includes a body portion, generally indicated by the numeral **11** and made of any suitable moldable foam material. Body portion **11** is generally shaped like a conventional insole having a top surface **12** which forms a heel cradling area **13**, arch support area **14**, and a ball of foot and toe supporting area **15**.

[0013] A recess **16** is formed in the top surface **12**. Recess **16** can take on most any configuration within body portion **11** but it preferably is in the same shape as the external configuration of body portion **11**, that is, it is generally in the shape of a human foot. The bottom surface **17** of recess **16** is formed with an attachment feature such as the hook portion of a hook and loop fastener system. An insert **18** in the peripheral shape of recess **16** and thus includes a heel area, an arch support, and a ball of foot and toe supporting area. Insert **18** has a bottom attachment surface which is compatible with the attachment surface **17** of recess **16**, such as the loop portion of a hook and loop fastener system. Insert **18** can be made of porous material to receive a medicinal material. The porous material of insert **18** could be a non-woven or knit fabric, an open cell foam, or any combination thereof. An example of the medicinal material is a CannabiDiol (CBD) oil or the like which can treat foot pain. However, many different substances, such as topical analgesics, antibiotic ointments, therapeutic-grade essential oils, or the like, could be used to medically impregnate insert **18**.

[0014] In use, insert **18** is received in and attached to recess **16**, as shown in FIG. 1, and the medicinal effect can be transferred to the user of insole **18**. Although the thickness of insert **18** may be identical to the depth of recess **16**, insert **18** could be thicker than the depth of recess **16** such that it extends above to surface **12** of insole **10** as shown in FIG. 1. Such not only assures that the foot of the user fully engages the insert **18**, but also such makes it easier to remove insert **18** from recess **16**. Since the attachment of the insert **18** to the recess **16** is not permanent, when the medicinal advantage of insert **18** is spent, it may merely be removed and replaced with a fresh insert having of the same or alternative medical affect thereby not requiring a replacement of the entire insole.

[0015] In view of the foregoing, it can be seen that an insole constructed as described herein substantially improves the art and accomplishes the objects of the invention.

What is claimed is:

1. An insole comprising a body portion, a recess formed in said body portion, and an insert configured generally in the shape of said recess, said insert being received in said recess and carrying a medicinal material.
2. The insole of claim 1 wherein said insert is removably received in said recess.
3. The insole of claim 2 wherein said body portion includes an attachment surface and said insert has an attachment surface compatible with said attachment surface of said body portion.
4. The insole of claim 3 wherein one of said attachment surfaces includes a loop type fastener and the other said attachment surface includes a compatible hook type fastener.

5. The insole of claim 1 wherein said recess has a depth and said insert has a thickness generally corresponding to said depth.

6. The insole of claim 1 wherein said recess has a depth and said insert has a thickness greater than said depth.

7. The insole of claim 1 wherein said body portion is made of foam and said insert is made of a fabric material.

8. The insole of claim 1 wherein said recess is positioned in said body portion under the heel, arch, and ball of foot of the user.

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