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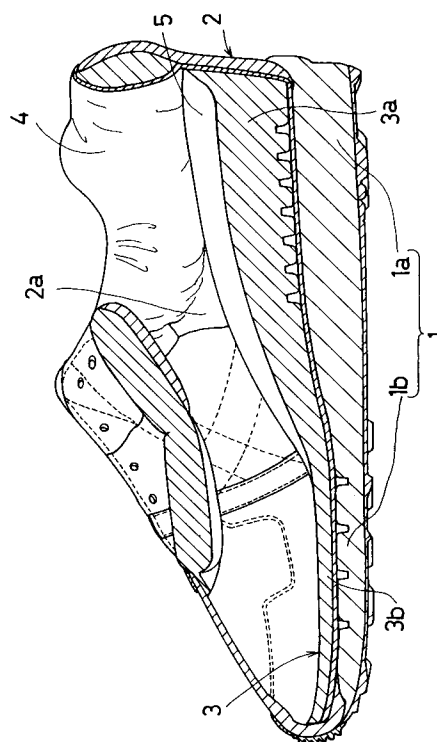
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**AT BE CH DE DK ES FR GB GR IE IT LI LU MC
NL PT SE**(71) Applicant: **ITSUTSUBOSHI SANGYO
KABUSHIKI KAISHA
15-12 Uryudo 1-chome
Higashiosaka, Osaka (JP)**(72) Inventor: **Kobayashi, Hajime, c/o Itsutsuboshi
Sangyo
Kabushiki Kaisha,
15-12, Uryudo 1-chome
Higashiosaka, Osaka (JP)**(74) Representative: **Linn, Samuel Jonathan et al
MEWBURN ELLIS
York House
23 Kingsway
London WC2B 6HP (GB)**(54) **Sports shoes.**

(57) A sports shoe comprises a shoe body (2) having a sole (1), and an insole (3). The insole (3) is laid on the sole (1) within the shoe body (2). Heel-side part (3a) of the insole (3) is thicker than toe-side part (3b) thereof. A side fitting member (4) is provided on heel-side upper part of a side wall (2a) of the shoe body (2), while a sole fitting member (5), which is hollowed in a curved surface shape, is provided on heel-side part of the insole (3). The shoe does not show its heel-side part being raised in appearance. The sole (1) and the insole (3) provide double-cushion effect and lessen impact during exercise.

Fig. 1

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This invention relates to improvement of sports shoes with raised heel part.

Generally a shoe comprises a bottom, an insole, and an upper. The bottom includes a sole portion and a heel portion. Here in this specification, the upper implies part covering around the heel side of a wearer's foot as well as the instep, and the part covering around the heel side is described as a side wall. A type of sports shoes in which the bottom (i.e. the sole portion and the heel portion) is of one single body, and heel-side part of the bottom is simply raised higher or thicker than toe-side part thereof, is known. An insole of this type of shoes is flat. Heel-side part of a side wall is thickened by lining with shoe material to keep its original shape. Here sports shoes include various types of shoes, such as jogging shoes, running shoes, flat shoes, training shoes, tennis shoes, basketball shoes, sneakers and the like.

Known sports shoes mentioned above, however, apparently show that heel-side parts are raised and heightened, and do not look neat or fancy. Also since the heel portion and the sole portion are formed into one, there is only one single cushion element, thereby resulting in less cushioning. Furthermore, an insole face and a side wall of such a sports shoe do not fit a sole and a side (including a heel) of a wearer's foot. As a result, such a shoe is liable to slip off from a wearer's foot.

It is an object of the present invention, therefore, to provide shoes that reduce solve of the problems existing in said known sports shoes.

In order to achieve the object, a sports shoe of the present invention includes a shoe body 2 having a sole 1, and an insole 3 which is provided on the sole 1 within the shoe body 2, heel-side part 3a of the insole 3 being thicker than toe-side part 3b thereof. A side fitting member 4 may be provided on heel-side upper part of a side wall 2a of the shoe body 2. Furthermore, the insole 3 preferably comprises a sole fitting member 5 which is hollowed in a curved surface to snugly receive a wearer's foot, especially heel-side part of the foot.

The shoes of the present invention are made according to the above described, therefore, they may not show in appearance that the heel-side parts are raised or heightened. Adding the insole 3 within the shoe body 2, the shoe has two cushion elements, i.e. the sole and the insole laid on top of the sole. Providing the side fitting member 4 and the sole fitting member 5, the shoe snugly fits the side and the sole of a wearer's foot.

Other features of the invention are given in the appended claims.

An embodiment of the present invention will now be described with reference to the accompanying drawings, in which:

Fig. 1 is a sectional view of a sports shoe of the present invention.

Fig. 2 is a perspective view of the shoe body and the insole separated from each other.

Fig. 3 is a perspective view of the insole seen from the bottom.

With reference to the accompanying drawings illustrating an embodiment, the present invention is described below in details.

Fig. 1 is a sectional view of a sports shoe of the present invention. An insole 3, heel-side part of which is thicker or higher than toe-side part thereof, is laid on the upper face of the shoe sole 1 within the shoe body 2, and the shoe sole 1 has proper thickness.

The shoe sole 1 is made of urethan rubber. In Fig. 1, the heel-side part 1a thereof measures 2.5 ~ 3.0 cm in thickness and the toe-side part 1b thereof measures 1.5~ 2.0 cm in thickness. Here the heel-side part 1a is thicker or higher than the toe-side part 1b, however, the shoe of the present invention is not limited thereto. It may have a shoe sole of an even thickness from the heel end to the toe end.

The shoe body 2 has a side fitting member 4 on the heel-side upper part of the side wall 2a as shown in Figs. 1 and 2. The side fitting member 4 is made of sponge rubber or the like to give it full of cushion.

The insole 3 is made of urethan rubber or the like. In Fig. 1, the heel-side part 3a of the insole 3 measures 2.5 ~ 3.0 cm in thickness and the toe-side part 3b thereof measures 0.5~1.0 cm in thickness. The insole 3 has a sole fitting member 5 hollowed in a curved surface on its heel side. Additionally, shown in Fig. 3, on the bottom side of the insole 3, plural elongated grooves 6 are arranged in parallel on its heel-side part 3a. The grooves are provided so as to prevent the heel-side part 3a from being twisted.

When a wearer has sports shoes of the present invention made as above on, the heel-side part being raised is not noticeable in appearance. Adding the insole 3 on the shoe sole 1 within the shoe body 2 provides double cushion elements; the shoe sole 1 and the insole 3 laid on top thereof. The side fitting member 4 provided on the shoe body 2 snugly fits the side of the wearer's foot, while the sole fitting member 5 provided on the insole 3 well fits the sole of the wearer's foot.

Since the sports shoes of the present invention are made as above described, poor appearance due to the heel part being raised is reduced and rather fancy and neat appearance is given to the sports shoes. In addition, the shoe sole 1 and the insole 3 provide double-cushion effect, thereby the shoe being preferably cushiony. Because of the double cushion effect, impact during exercise is

lessened, which prevents damaging the spine of the wearer. Also because of the side and sole fitting members, the shoes comfortably fit the wearer's feet and he or she can wear them comfortably and there is no risk of the shoe slipping off.

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Claims

1. A sports shoe comprising a shoe body (2) having a sole (1), and an insole (3), the insole (3) being provided within the shoe body (2), heel-side part (3a) of the insole (3) being thicker than toe-side part (3b) thereof. 10
2. A sports shoe according to Claim 1 further comprising a side fitting member (4) provided on heel-side upper part of a side wall (2a) of the shoe body (2). 15
3. A sports shoe according to Claim 1 further comprising a sole fitting member (5) provided on an upper face of the heel-side part (3a) of the insole (3). 20
4. A sports shoe according to Claim 1 further comprising plural grooves (6) provided on a bottom face of the insole (3). 25
5. A sports shoe according to Claim 2 wherein the side fitting member (4) is made of sponge rubber. 30
6. A sports shoe according to Claim 3 wherein the sole fitting member (5) being hollowed in a curved surface shape. 35

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Fig. 1

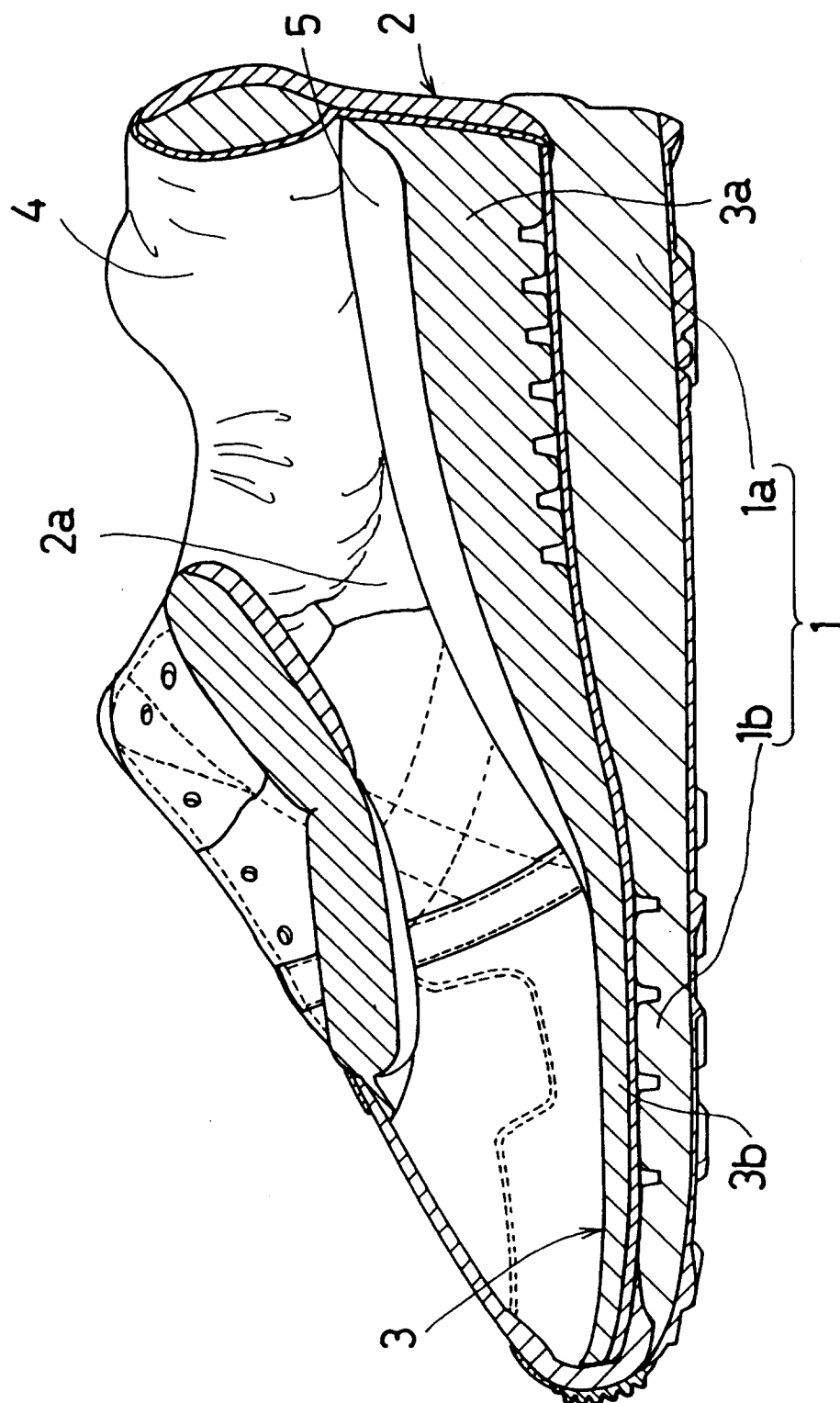


Fig. 2

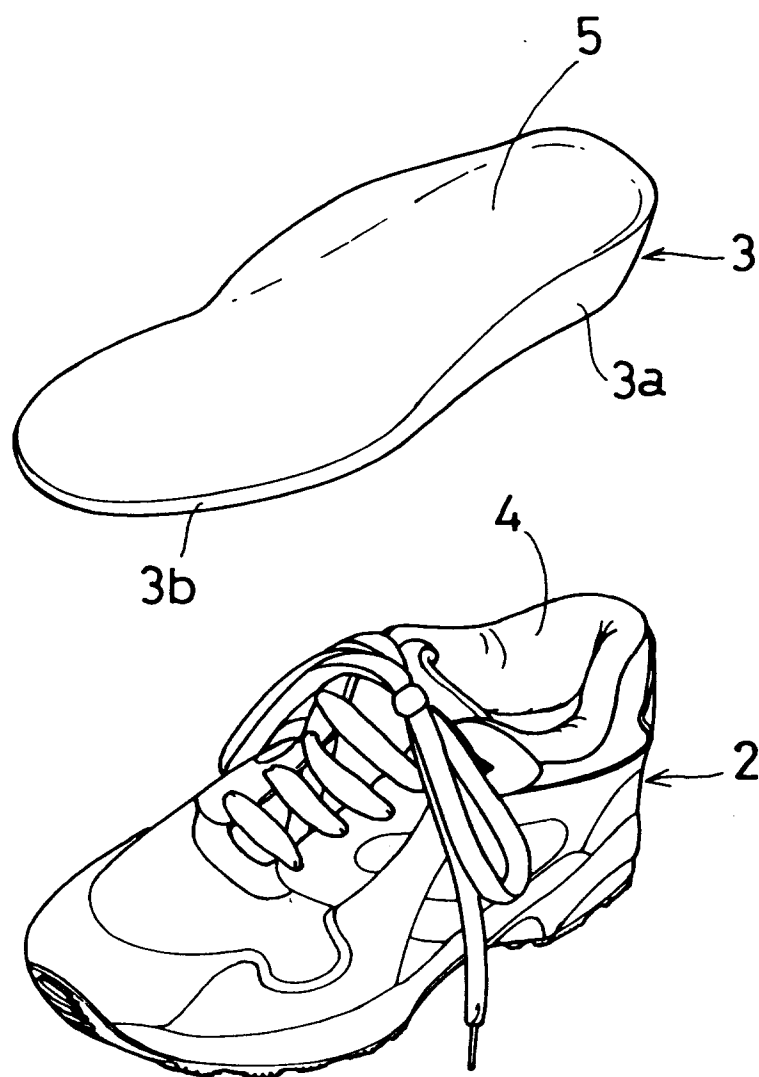
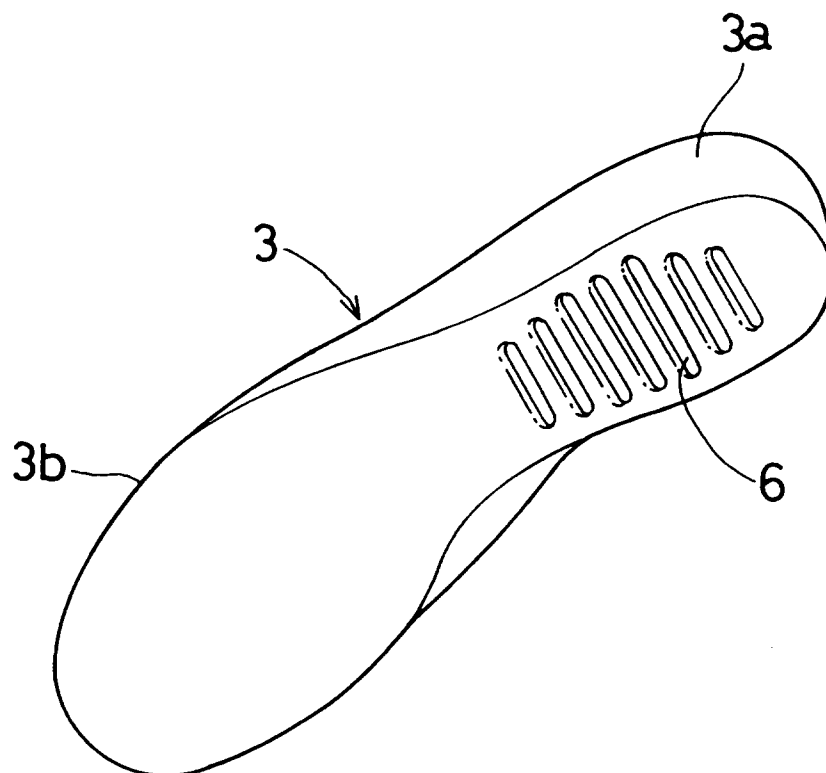


Fig. 3





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EUROPEAN SEARCH REPORT

Application Number
EP 93 30 9437

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.5)
X	WO-A-82 00572 (BRS) * the whole document * ---	1, 3, 6	A43B13/40 A43B5/00
X	US-A-4 237 627 (J. TURNER) * the whole document * ---	1	
X	US-A-4 435 910 (M. MARC) * the whole document * ---	1, 4	
A	US-A-4 879 821 (K. GRAHAM) * the whole document * ---	1, 3	
A	DE-A-21 52 465 (A. DASSLER) * the whole document * -----	1, 2	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			A43B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 4 July 1994	Examiner Declerck, J
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