

● Background of Invention

We pursued materials and designs designed to provide hygienic, safe and secure rental boots for people who are looking to rent ski, snowboard, and winter boots in cold districts.



- Until now, rental boots have been very unsanitary with ringworm fungus and odor, but this product has solved that problem.

- The waterproof inner boot, designed with an integrated EVA material, no longer needs to be dried because sweat and water do not soak into it.

- This product can be easily sterilized and cleaned, allowing for hygienic, safe, and secure service to customers.

● Reason and Background behind the invention.

Until now, rental boots have been used by an unspecified number of people without ever being cleaned after use. As a result, the service was unsafe due to infection of ringworm fungus and bad odor. This product is a waterproof inner boot made of EVA material, which can be sterilized and cleaned each time it is rented. This is why this product has attracted so much attention in this era of the covid-19. The material EVA is Ethylene-Vinyl Acetate (ethylene vinyl acetate copolymer resin), a chlorine-free material that does not produce dioxin when incinerated. It is environmentally friendly and easily recyclable. It is also a sustainable product that does not burden the environment because the boots do not need to be dried.

● Design Ingenuity and results

The design was adapted to the foot shape of Asian people with a high instep and wide feet. The key design consideration was the softness of the contact when the foot is placed in the boot. The hardness must be neither too hard nor too soft. We tested a number of different hardnesses to find the best one. The color of the product is blue, the same color as a polyethylene bucket, which has an image of cleanliness in Japan. Waterproof inner boots made of EVA material, unlike conventional sewn inner boots, do not absorb water and can be sterilized and washed to maintain hygiene even if ringworm fungus or odors are stuck to them. In addition, conventional sewn inner boots require long drying time and large drying costs. However, this waterproof inner boots do not need to be dried at all, and can be used immediately by simply wiping it with a dry cloth. The drying cost is practically zero yen. This has greatly contributed to the reduction of drying costs such as electricity and kerosene.



I believe that the very first step is the most important in any sport. The first place beginners turn to is a rental shop. However, if the rental boots are smelly, dirty, and unsanitary, you will feel bad from the very beginning. This has been happening for more than 30 years. I believe that one of the reasons for the stagnation of this industry is that unsanitary rental boots have prevented beginners from thinking, "That was fun, I want to do it again." So I worked to solve this problem by creating inner boots that are sanitary and washable every time. Now many users are happy with them. Both rental shops and people who rent the boots can now use the boots without any stress. I really want to spread this invention to the world. I believe that this product will surely be useful at resorts around the world.

●Past results

Introduction of the product began in 2015 at Takasu Snow Park and Dynaland, the most visited snow resorts in Chubu and Kansai regions, and each ski resort has more than 1,000 pairs in stock after repeated orders every year. Almost 100% of rental businesses are conducted with this product. Customers onsite have commented that the products are hygienic, odorless, and pleasant. They also appreciate the fact that the product is eco-friendly and sustainable, with no electricity or kerosene costs. They say they can't use any other inner boots at all. We receive repeat orders from other snow resorts and companies every year once they have installed this product. We are working to promote this product in order to change the rental industry around the world to one that is more hygienic, safe, and secure.



○Material

EVA (Ethylen-Vinyl Acetate)

○Features

Waterproof, soft, durable

○Effectiveness

You can clean the inner boot again and again.

No need to dry them at all.

○Size range(JAPAN)

22.0cm/22.5cm/23.0cm/23.5cm/24.0cm/24.5cm/25.0cm/25.5cm/26.0cm/26.5cm/27.0cm/27.5cm/28.0cm/28.5cm/29.0cm/29.5cm/30.0cm

※Nine types of inner boots from 22.0cm ~ 30.0cm in 1cm increments.

With outer boots, a change of 5 mm is possible.

-Patents-

Japan No. 6558749 (Inner boots)

-International Patents-

China ZL 2015 8 0031917.0 (inner boot)

EP Austria 3187061 (inner boot)

EP Italy 3187061 (inner boot)

EP France 3187061 (inner boot)

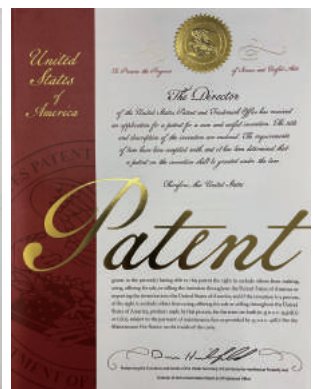
EP Switzerland 3187061 (inner boot)

Canada 2,952,409 (inner boot)

New Zealand Transitioning (Inner boot)

Korea 520160925715 (inner boot)

U.S.A. 11,224,262B2 (inner boot)



Blueperformer is registered as a trademark in Japan and China by HOOD Inc.

President, HOOD Inc.

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