

Title of Invention

Mask-Close Patch

Inventor SUMIN, SHIM **Affiliation** GWANGJU NATURAL SCIENCE HIGH SCHOOL



Abstract of Invent

COVID-19 The idea is designed to solve the problem of not filtering properly because the mask does not stick to the skin, Kim Seo-rim, and the nose squeeze, which is a problem that occurs when the medical staff wears the mask because they see the skin bleeding from being crushed by the mask. The use of polyurethane elastomo material, which is washable and easy to recycle, minimizes the cost and waste that is continuously spent, and the material is harmless to the human body, making it safe for everyone of all ages to use. The design is designed to make it more convenient and practical for practical use in everyday life by different sizes and shapes of each face.

Characteristics

1. More reliable filtering-More reliable filtering is possible in the form of a patch that matches the size of the face with a well-ventilated nose, jaw, and sideball.
2. Anti-cold eyeglasses - The wind escapes towards the nose when you exhale, so when you attach a patch to the nose, it prevents the eyeglasses from getting misty.
3. Reduced skin friction-Silicon is attached to areas that are adhering to the skin, reducing injury or friction caused by crushing on the nose support.
4. Reusable-Use polyurethane elastomer new material for washing and reuse to minimize ongoing expenses and waste.
5. Touch less of a mask-There were many situations in which the mask was touched or removed because the mask often went down when talking or moving a lot. Therefore, if the mask sticks well to the skin using a mask-tight patch, it will not go down well and touch the mask less.

Application Area

It will be used by people at home and abroad who use masks because there are a variety of inconveniences like what I feel at a time when wearing them is mandatory not only in Asian countries but also around the world. Through this, you will learn the importance of wearing masks, the risk of viruses, and the hard work of medical staff, and you will be more concerned about personal hygiene. Mask-close patches will protect you from viruses or from fine dust because they enable more reliable filtering, and will be used in hospitals and pharmacies, medical institutions and crowded schools, hagwons, etc. to minimize the prevalence of COVID-19 and keep the reduced state for a long time. I think we can minimize such damage that affects everyone through personal hygiene and consideration.

Photo of Invention

