

**Title of Invention****COVID-19 rollable screen****Inventor****Kim Ye Jun****Affiliation****Samseon middle****School in Seoul, Korea****Abstract of Invent**

We are now living in an era when corona is spreading. Corona is transmitted through a cough or conversation to other people and causes infection. However, the installation of partitions is known to have the effect of blocking 99.9 percent of the nasal passages. The government recommends installing partitions in public facilities such as restaurants and cafes, but in reality, most public places do not have partitions. For the self-employed, whose sales have been falling sharply due to the spread of corona, even setting up partitions can be burdensome. Isn't there any way to protect myself from the lack of partitions and infection caused by economic difficulties of the self-employed? After thinking about it, I came to think of a rollable partition that was easy to carry.

**Characteristics**

At first, they tried to increase portability with PE-like folding partitions, but as they folded, they had many crumpled sides, which distracted the view, preventing communication and making it difficult to achieve the expected effect of partitioning. After thinking about it, I came to think of LG's rollable TV, and when I folded the partition, I thought of a "rollable partition" that played the role of the partition sufficiently while reducing its volume.

The rollable partition is designed in the shape of a long cylinder, and when the cover is opened, the product opens and serves as a support for the cover, which can be adjusted as high as a selfie stick. It can spread transparent flexible vinyl rolled inside the top head, blocking the front and serving as a partition. Since the spring is installed on the bar where flexible vinyl was dried, if the spring is pushed to both sides, the spring contracts and exits, allowing easy cleaning and replacement.

**Application Area**

If each citizen carries a "portable corona rollable partition," I am sure that they can protect themselves from corona anywhere, including restaurants, cafes, schools, and reading rooms, and reduce the number of confirmed people.

Above all, my body thinks that it is best to prevent myself. It is easy to carry in a long cylindrical form, and I think the easy-to-install corona rollable partition can be the best way to prevent such corona.

**Photo of Invention**