

FACE MASK WITH INDICATOR

A research group from the Biomedical Research Institute of Malaga and Nanomedicine Platform (IBIMA Plataforma Bionand), the Andalusian Health Service (SAS) and the Consorcio Centro de Investigación Biomédica en Red (CIBER) has developed an improvement in the use of face masks.

The Need

Due to the pandemic caused by SARSCoV-2, the use of disposable and reusable masks, such as those known as hygienic, surgical (PS) or personal protective equipment (PPE), has expanded.

The main issue with these masks is that it is not possible to determine the state of use of the mask. This is a major drawback, since the user does not know when to discard it or, on the contrary, continuing its use.

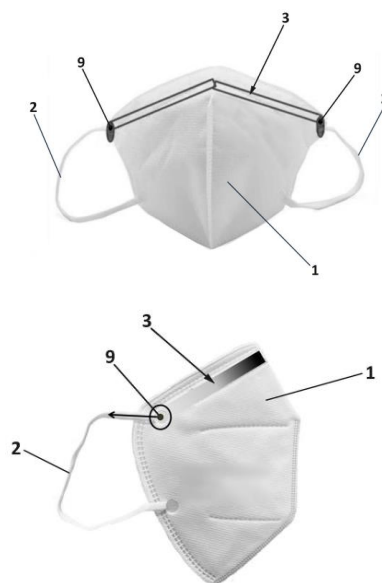
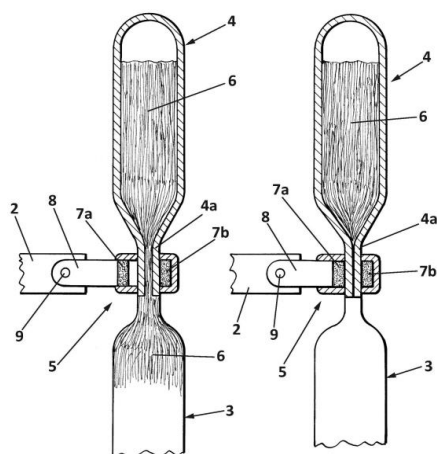
The Solution

The technology provides a face mask that is equipped with mechanisms to indicate the state of use, in order to prevent it from being used when its useful life is over, or to prevent it from being discarded when it is still operational, optimising its use.

Innovative Aspects

The main innovative aspect of this technology is that the mask includes a harmless dye that is released at the moment of use. This implies that if the mask is not in use, the dye will not start its release. Also, the speed of release will differ among different types of mask.

Thanks to this mechanism, when the dye has reached the end, it will be the indication for the mask to be discarded.



Intellectual Property:

- Granted utility model

Aims

Looking for a partner interested in a license and/or a collaboration agreement to develop and exploit this asset.

Contact details