

MATERIAL FOR ENHANCING THE FILTER CAPACITIES OF FACIAL MASKS

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The invention regards a coating material for enhancing filter capacities of facial masks and its production process.

Protection: Italy, with the possibility to extend internationally

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INVENTION

The principal function of facial masks, such as surgical masks is to avoid the dispersion of pathogens during breathing. There are several types of facial masks on the market and in particular surgical masks are characterized by three layers of overlapping materials.

The invention regards a coating material for enhancing filter capacities of facial masks and its production process. The material is obtained by mixing more compounds and some of which contain lamellar particles of graphene that improve the protection efficiency against pathogens.

ADVANTAGES

- Improvement of filtering capacities;
- Safely reusable masks;
- Good breathable fabric;
- Good wearability.

APPLICATIONS

Tool to perform any laparoscopy surgery both manual and with a remote control robotic system by the surgeon.

CONTACTS

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