

Title (en)
METHOD FOR MANUFACTURING A MELT-BLOWN NON-WOVEN FABRIC FOR MASK AND MASK USING THE MELT-BLOWN NON-WOVEN FABRIC

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES SCHMELZGEBLASENEN VLIESTOFFS FÜR EINE MASKE UND MASKE MIT DEM SCHMELZGEBLASENEN VLIESTOFF

Title (fr)
PROCÉDÉ DE FABRICATION D'UNE ÉTOFFE NON TISSÉE POUR MASQUE OBTENUE PAR FUSION-SOUFFLAGE ET MASQUE UTILISANT CETTE ÉTOFFE

Publication
EP 4079946 A1 20221026 (EN)

Application
EP 21169251 A 20210419

Priority
EP 21169251 A 20210419

Abstract (en)
A melt-blown non-woven fabric manufacturing method includes a melt-blown material supply step to supply a melt-blown material, an antibacterial agent pre-implanting step to add an antibacterial agent to the supplied melt-blown material, a melt mixing step to melt the melt-blown material and mix the molten melt-blown material with the antibacterial agent, a melt-blown forming step to spray the mixture of the molten melt-blown material and the antibacterial agent into filaments, and a cooling step to cooling the filaments, thereby forming an antibacterial agent pre-implanted melt-blown non-woven fabric. This method only needs to add the antibacterial agent in the pre-implanting step, and the antibacterial agent pre-implanted melt-blown non-woven fabric can be formed at the end of the process, so the process can be simplified. The melt-blown non-woven fabric produced by this technology can be used to replace the water-repellent non-woven fabric to provide the first layer of the mask.

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Citation (applicant)
CN 106102863 A 20161109 - PROFIT ROYAL PHARMACEUTICAL LTD

Citation (search report)

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- [I] EP 3067445 A1 20160914 - INST WLOKIENNICTWA [PL]
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- [I] WO 0071789 A1 20001130 - 3M INNOVATIVE PROPERTIES CO [US]
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Designated contracting state (EPC)
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