

Title (en)
WARNING DETECTOR FOR WARNING OF EXCESSIVELY HIGH POLLUTION OF THE AIR WITH PARTICLES AND, IN PARTICULAR, VIRUSES OF A CERTAIN SIZE

Title (de)
WARNMELDER ZUR WARNUNG VOR EINER ZU HOHEN LUFTBELASTUNG DER LUFT MIT PARTIKELN UND INSBESONDERE VIREN EINER BESTIMMTEN GRÖßE

Title (fr)
DÉTECTEUR D'AVERTISSEMENT POUR L'AVERTISSEMENT D'UNE POLLUTION EXCESSIVEMENT ÉLEVÉE DE L'AIR AVEC DES PARTICULES ET, EN PARTICULIER, DES VIRUS D'UNE CERTAINE TAILLE

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Abstract (en)
[origin: WO2022083914A1] The invention relates to a warning detector for warning of excessively high pollution of the air with particles and, in particular, viruses of a certain size, wherein the warning detector comprises a sensor unit designed to determine a concentration of vibration-fragmentable particles of a certain target diameter in the air by determination of a difference between a first light scatter at a first sample of the air and a second light scatter at a second sample of the air, wherein the particles in the first sample are uninfluenced and the particles in the second sample have been fragmented by a vibration, and wherein the warning detector comprises a reporting unit designed to report the concentration in the air with the particles when the concentration of a predetermined threshold has been reached.

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