

Title (en)
SYSTEM AND METHOD FOR DETECTING PARTICLES

Title (de)
SYSTEM UND VERFAHREN ZUR DETEKTION VON PARTIKELN

Title (fr)
SYSTEME ET PROCEDE DE DETECTION DE PARTICULES

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Application
EP 15766455 A 20150917

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Abstract (en)
[origin: WO2016042060A1] The invention relates to a system (100) for detecting particles, comprising: a first device (110) for measuring the concentration of particles which comprises an electrometer measuring device (116) which is coupled to a charger (114) and/or to an optical particle counter; a second device (112) for measuring the concentration of particles, comprising a condensation nuclei counter; and a calculation unit (118) which is capable of calculating a ratio and/or a difference between a first measurement of the particle concentration in an airflow, to be performed by the first measurement device, and a second measurement of the particle concentration in an airflow, to be performed by the second measurement device, and capable of providing a comparison between the ratio and/or the difference between the first and second measurements and a threshold value in order to determine the presence of particles of interest other than ambient air particles.

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