

Title (en)  
DEVICE FOR MEASURING THE CONCENTRATION OF AIRBORNE FIBERS

Title (de)  
VORRICHTUNG ZUM MESSEN DER KONZENTRATION VON FASERN IN DER LUFT

Title (fr)  
DISPOSITIF DE MESURE DE LA CONCENTRATION DE FIBRES DANS L'AIR

Publication  
**EP 0882223 A1 19981209 (EN)**

Application  
**EP 97946502 A 19971103**

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Abstract (en)  
[origin: WO9820320A1] Devices (100) and methods for measuring the concentration of airborne fibers are provided. The devices include flow means (5 and 6) for providing laminar flow to a portion of the fibers (20) in an air sample and a light source (9) for generating a light beam (12) directed to the laminarily flowing fibers (20) to produce a scattered light. The device further includes a sensor (14) for sensing a portion of this scattered light and producing an output from which a respirable fiber concentration estimate can be measured.

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