

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

Priority
• US 9720047 W 19971103
• US 74355496 A 19961104
• US 74355596 A 19961104

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.

IPC 1-7
G01N 15/02; **G01N 21/00**

IPC 8 full level
G01N 15/02 (2006.01); **G01N 15/06** (2006.01); **G01N 21/53** (2006.01); **G01N 15/00** (2006.01)

CPC (source: EP KR)
G01N 15/02 (2013.01 - KR); **G01N 15/0205** (2013.01 - EP); **G01N 21/00** (2013.01 - KR); **G01N 15/06** (2013.01 - EP);
G01N 2015/0049 (2013.01 - EP)

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB IE IT LI NL SE

DOCDB simple family (publication)
WO 9820320 A1 19980514; AU 5165898 A 19980529; AU 736174 B2 20010726; BR 9706914 A 20000104; CA 2239857 A1 19980514;
CZ 188098 A3 19981111; EP 0882223 A1 19981209; EP 0882223 A4 19990107; HU P0001651 A2 20000928; HU P0001651 A3 20030128;
JP 2000503405 A 20000321; KR 19990072187 A 19990927; NO 983075 D0 19980702; NO 983075 L 19980828; PL 327503 A1 19981221;
TR 199801215 T1 19990222

DOCDB simple family (application)
US 9720047 W 19971103; AU 5165898 A 19971103; BR 9706914 A 19971103; CA 2239857 A 19971103; CZ 188098 A 19971103;
EP 97946502 A 19971103; HU P0001651 A 19971103; JP 52168998 A 19971103; KR 19980704548 A 19980617; NO 983075 A 19980702;
PL 32750397 A 19971103; TR 9801215 T 19970311