

Title (en)  
PARTICLE DETECTION DEVICE

Title (de)  
TEILCHENDETEKTIONSEINRICHTUNG

Title (fr)  
DISPOSITIF DE DETECTION DE PARTICULES

Publication  
**EP 1800148 A1 20070627 (EN)**

Application  
**EP 05784736 A 20050919**

Priority  
• GB 2005003591 W 20050919  
• GB 0420981 A 20040921

Abstract (en)  
[origin: WO2006032854A1] A particle detection device is based on the cross-correlation of a transmitted signal with a received reflection. The cross correlation function is analysed to detect peaks, and a peak is determined to represent fog or other airborne or liquid-borne particulate material based on a shape of the cross correlation function peak.

IPC 8 full level  
**G01S 17/95** (2006.01); **G01S 7/48** (2006.01); **G01S 17/08** (2006.01)

CPC (source: EP)  
**G01S 7/4802** (2013.01); **G01S 17/08** (2013.01); **G01S 17/95** (2013.01); **Y02A 90/10** (2017.12)

Citation (search report)  
See references of WO 2006032854A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006032854 A1 20060330**; EP 1800148 A1 20070627; GB 0420981 D0 20041020; IL 181347 A0 20070704

DOCDB simple family (application)  
**GB 2005003591 W 20050919**; EP 05784736 A 20050919; GB 0420981 A 20040921; IL 18134707 A 20070215