

Title (en)  
ANALYSIS METHODS AND ANALYSIS APPARATUSES FOR FLUIDS

Title (de)  
ANALYSEVERFAHREN UND -GERÄTE FÜR FLUIDE

Title (fr)  
PROCÉDÉ ET DISPOSITIF D'ANALYSE DE FLUIDES

Publication  
**EP 2404152 A2 20120111 (DE)**

Application  
**EP 10716614 A 20100303**

Priority  
• IB 2010000436 W 20100303  
• DE 102009011846 A 20090305

Abstract (en)  
[origin: WO2010100549A2] The invention relates to novel methods and to devices for a measuring and analysis apparatus that measures impurities and/or particles in a gas or air. In a particle separation step, target particles having predetermined particle properties are separated from remaining particles from a gas or gas mixture such as air or a liquid, in short a fluid, that contains a particle mixture, and the occurrence and/or frequency of said target particles is determined in a measuring chamber. The likewise novel cooling of the radiation sources required for measurement permits the use of such having high power, as is required for measuring few particles or the smallest impurities. A further novel expansion of the electrical measurement range allows small but also abundant particles and impurities to be measured. In addition, a novel interface simplifies the start-up of the apparatus.

IPC 8 full level  
**G01N 1/22** (2006.01); **G01N 15/02** (2006.01); **G08B 17/10** (2006.01)

CPC (source: EP US)  
**G01N 1/14** (2013.01 - EP US); **G01N 1/2211** (2013.01 - EP US); **G01N 1/26** (2013.01 - EP US); **G01N 15/0255** (2013.01 - EP US); **G01N 15/06** (2013.01 - EP US); **G08B 17/10** (2013.01 - EP US); **G08B 17/113** (2013.01 - EP US); **G01N 15/075** (2024.01 - EP US)

Citation (search report)  
See references of WO 2010100549A2

Citation (examination)  
WO 2009015178 A1 20090129 - HONEYWELL INT INC [US], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010100549 A2 20100910; WO 2010100549 A3 20101111**; DE 102009011846 A1 20100916; DE 102009011846 B4 20150730; EP 2404152 A2 20120111; US 2011314902 A1 20111229; US 8813540 B2 20140826

DOCDB simple family (application)  
**IB 2010000436 W 20100303**; DE 102009011846 A 20090305; EP 10716614 A 20100303; US 201013254030 A 20100303