

Title (en)  
NON-DISPERSIVE GAS ANALYZER

Title (de)  
NICHTDISPERSIVER GASANALYSATOR

Title (fr)  
ANALYSEUR DE GAZ NON DISPERSIF

Publication  
**EP 2585810 A1 20130501 (DE)**

Application  
**EP 11741531 A 20110622**

Priority

- DE 102010030549 A 20100625
- EP 2011060402 W 20110622

Abstract (en)  
[origin: WO2011161137A1] In a non-dispersive gas analyzer, comprising a light source (3), the light (6) of which shines through a measuring cuvette (1) containing a measuring gas to be analyzed onto a non-selective detector (7) having a downstream evaluation unit (8), a multi-component gas analysis is made possible using simple means in that the light source (3) is a flash discharge lamp (4) and the evaluation unit (8) is designed to evaluate the temporal pulse curves of the flash (9) shining onto the detector (8). The invention takes advantage of the property of flash discharge lamps in that the emitted wavelength components vary over the duration of the flash (6).

IPC 8 full level  
**G01N 21/31** (2006.01); **G01N 21/35** (2006.01); **G01N 21/61** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
See references of WO 2011161137A1

Citation (examination)

- US 4320297 A 19820316 - CEDERSTRAND CARL N, et al
- US 5807750 A 19980915 - BAUM MARC M [US], et al

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)  
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