

Title (en)  
GATED GAS SENSOR

Title (de)  
GESTEUERTER GASSENSOR

Title (fr)  
DETECTEUR DE GAZ A DECLENCHEMENT

Publication  
**EP 1864122 A2 20071212 (EN)**

Application  
**EP 06738717 A 20060317**

Priority  

- US 2006009686 W 20060317
- US 66328605 P 20050318
- US 37579106 A 20060315

Abstract (en)  
[origin: WO2006102064A2] [0078] An apparatus for sensing an analyte gas is provided. The apparatus may include a signal amplifier that may include a thin film transistor that may include a semiconducting film that may include a metal oxide capable of chemical interaction with the analyte gas, such as carbon monoxide. The apparatus may be tuned for detecting the analyte gas by varying the gate voltage of the transistor.

IPC 8 full level  
**G01N 27/403** (2006.01); **G01N 27/414** (2006.01)

CPC (source: EP KR)  
**B82B 1/00** (2013.01 - KR); **G01N 27/414** (2013.01 - KR); **G01N 27/4141** (2013.01 - EP); **H10N 10/00** (2023.02 - KR)

Citation (search report)  
See references of WO 2006102064A2

Cited by  
US9739742B2

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

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**WO 2006102064 A2 20060928; WO 2006102064 A3 20070419; WO 2006102064 B1 20070621**; CA 2599374 A1 20060928;  
EP 1864122 A2 20071212; KR 20070121761 A 20071227; TW 200706863 A 20070216

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**US 2006009686 W 20060317**; CA 2599374 A 20060317; EP 06738717 A 20060317; KR 20077023791 A 20071017; TW 95109215 A 20060317