

Title (en)  
INSULATION MATERIAL AND GAS SENSOR

Title (de)  
ISOLATIONSMATERIAL UND GASSENSOR

Title (fr)  
MATERIAU ISOLANT ET DETECTEUR DE GAZ

Publication  
**EP 1485331 A1 20041215 (DE)**

Application  
**EP 03706254 A 20030129**

Priority  
• DE 0300234 W 20030129  
• DE 10212018 A 20020319

Abstract (en)  
[origin: WO03078351A1] The invention relates to an insulation material for an electrical component, comprising sintered aluminum oxide to which a substance is added. This substance is deposited on grain boundaries of the aluminum oxide and inhibits the mobility of ions. The invention also relates to a gas sensor comprising an insulation layer made of an insulation material of the aforementioned type.

IPC 1-7  
**C04B 35/111**; **H01B 3/12**; **G01N 27/417**

IPC 8 full level  
**C04B 35/10** (2006.01); **C04B 35/111** (2006.01); **G01N 27/409** (2006.01); **G01N 27/419** (2006.01); **H01B 3/12** (2006.01)

CPC (source: EP KR US)  
**C04B 35/10** (2013.01 - EP US); **C04B 35/111** (2013.01 - KR); **G01N 27/4067** (2013.01 - EP); **G01N 27/417** (2013.01 - EP); **G01N 27/419** (2013.01 - US); **H01B 3/10** (2013.01 - KR); **H01B 3/12** (2013.01 - EP KR US); **C04B 2235/3205** (2013.01 - EP US); **C04B 2235/3213** (2013.01 - EP US); **C04B 2235/3215** (2013.01 - EP US); **C04B 2235/3222** (2013.01 - EP US); **C04B 2235/3481** (2013.01 - EP US); **C04B 2235/80** (2013.01 - EP US); **C04B 2235/85** (2013.01 - EP US)

Citation (search report)  
See references of WO 03078351A1

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

DOCDB simple family (publication)  
**WO 03078351 A1 20030925**; DE 10212018 A1 20031002; EP 1485331 A1 20041215; JP 2005520766 A 20050714; KR 20040099332 A 20041126; US 2005155859 A1 20050721

DOCDB simple family (application)  
**DE 0300234 W 20030129**; DE 10212018 A 20020319; EP 03706254 A 20030129; JP 2003576361 A 20030129; KR 20047014586 A 20030129; US 50814105 A 20050317