

Title (en)  
INDICATOR FOR DETECTING PENETRATION OF AIR AND/OR DAMPNES INTO A VACUUM, PRESSURE OR MODIFIED ATMOSPHERE PACKAGING

Title (de)  
INDIKATOR ZUM NACHWEIS DES EINDRINGENS VON LUFT- UND/ODER FEUCHTE IN EINE VAKUUM-, DRUCK- ODER SCHUTZGASVERPACKUNG

Title (fr)  
INDICATEUR POUR DÉTECTER LA PÉNÉTRATION D'AIR ET/OU D'HUMIDITÉ DANS UN EMBALLAGE SOUS VIDE, SOUS PRESSION OU SOUS GAZ PROTECTEUR

Publication  
**EP 2409128 A1 20120125 (DE)**

Application  
**EP 10719528 A 20100317**

Priority  
• EP 2010001670 W 20100317  
• DE 202009003677 U 20090317

Abstract (en)  
[origin: WO2010105811A1] In order to create an easy indicator (20) for detecting penetration of air and/or dampness into a vacuum, pressure or modified atmosphere packaging, in particular into a vacuum insulation panel (10), wherein the penetrating air and/or dampness causes a change of the physical properties of the indicator (20), it is disclosed that the indicator (20) has a material which reacts chemically with the penetrating air and/or dampness, and that at least one physical property of the indicator (20) can be changed by the chemical reaction. In particular, the material is formed as a barium layer, which has a defined dielectric constant. Furthermore, an associated vacuum, pressure or modified atmosphere packaging, in particular for a vacuum insulation panel (10) with evacuated heat insulating body and shell is disclosed, wherein the shell is metalized in a largely transparent manner, the shell for detecting the changed physical properties in the region of the indicator (20) is, however, transparently masked and covered with an airtight transparent material.

IPC 8 full level  
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CPC (source: EP)  
**G01M 3/042** (2013.01); **G01M 3/045** (2013.01); **G01M 3/16** (2013.01); **G01N 31/22** (2013.01)

Citation (search report)  
See references of WO 2010105811A1

Citation (examination)  
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