

Title (en)  
A MOISTURE MONITORING SYSTEM FOR BUILDINGS

Title (de)  
FEUCHTIGKEITSÜBERWACHUNGSSYSTEM FÜR GEBÄUDE

Title (fr)  
SYSTÈME DE SURVEILLANCE D'HUMIDITÉ POUR BÂTIMENTS

Publication  
**EP 2174145 A4 20141001 (EN)**

Application  
**EP 08783305 A 20080801**

Priority  
• CA 2008001394 W 20080801  
• CA 2596212 A 20070803

Abstract (en)  
[origin: CA2596212A1] A method of monitoring moisture in a building is carried out using moisture detectors, which provide an output resistance value ranging from a dry value in the absence of moisture and different wet values in the presence of moisture depending on the quantity of moisture. Rather than emit an alarm based solely on a moisture threshold, a risk assessment of potential damage is calculated for at least a part of the building using the wet values from the moisture detectors for the sensor zones using as input data the wet values and as a first additional factor a value which is indicative of a total area of the moisture as provided by the number of sensor zones that are responding with a wet value and as a second additional value the number of consecutive time periods that the sensor zone has reported wet value. The calculation can use computer modeling to calculate a risk factor for growth of mold or a risk factor for growth of timber decay fungi

IPC 8 full level  
**G08B 21/20** (2006.01); **C12Q 1/04** (2006.01); **G01M 3/16** (2006.01); **G01N 27/12** (2006.01)

CPC (source: EP)  
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Citation (search report)  
• [IY] US 2007026107 A1 20070201 - WANG JIANRONG [US], et al  
• [YDA] WO 2005010837 A2 20050203 - DETEC SYSTEMS LLC [US], et al  
• [A] US 6704681 B1 20040309 - NASSOF RUSSELL S [US], et al  
• [A] ROWAN N J ET AL: "Prediction of toxigenic fungal growth of buildings by using a novel modelling system", APPLIED AND ENVIRONMENTAL MICROBIOLOGY, vol. 65, no. 11, November 1999 (1999-11-01), pages 4814 - 4821, XP003010202, ISSN: 0099-2240  
• See references of WO 2009018650A1

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