Title (en)

MEASURING OF WATER CONTENT

Title (de)

MESSUNG DES WASSERGEHALTS

Title (fr)

MESURE DE LA TENEUR EN EAU

Publication

EP 2035814 A4 20090701 (EN)

Application

EP 07788757 A 20070621

Priority

- FI 2007050382 W 20070621
- FI 20065440 A 20060622

Abstract (en)

[origin: WO2007147950A1] A dewatering element (100) is connected by radio-frequency electromagnetic radiation from an object to be measured (102) to a measuring device unit (900) measuring water content and the dewatering element (100) acts at an interface between the measuring device unit (900) and the object to be measured (102) both structurally and operatively as a coupling element whose relative permittivity is higher than 75. The surface of the dewatering element (100) is partly metal-coated. The dewatering element (100) transfers radio-frequency electromagnetic radiation of less than 1 GHz between the object to be measured (102) and the measuring device unit (900) for measuring water content in the object to be measured (102).

IPC 8 full level

G01N 22/04 (2006.01); **D21F 7/00** (2006.01); **G01N 33/34** (2006.01)

CPC (source: EP FI)

D21F 7/003 (2013.01 - EP FI); **G01N 22/04** (2013.01 - EP FI); **G01N 33/343** (2013.01 - EP FI); **G01R 27/26** (2013.01 - FI)

Citation (search report)

- [A] EP 1437588 A1 20040714 - AMS ADVANCED MICROWAVE SYSTEMS [DE], et al
- [A] EP 1331476 A1 20030730 - AMS ADVANCED MICROWAVE SYSTEMS [DE]
- [A] DE 202005001756 U1 20050504 - TRUETZSCHLER GMBH & CO KG [DE]
- [A] WO 0028615 A1 20000518 - KILDAL ANTENN CONSULTING AB [SE], et al
- [A] FREITAG D W ET AL: "Chapter 4 Forest Industry", INTERNET CITATION, 1998, XP002390327, Retrieved from the Internet <URL:http://www.ms.ornl.gov/programs/energyeff/cfcc/iof/chap4.pdf> [retrieved on 20060713]
- See references of WO 2007147950A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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