Title (en)

A PROCESS AND APPARATUS FOR IMPROVING AND CONTROLLING THE CURING OF NATURAL AND SYNTHETIC MOLDABLE COMPOUNDS

Title (de)

PROZESS UND VORRICHTUNG ZUM VERBESSERN UND STEUERN DER AUSHÄRTUNG VON NATÜRLICHEN UND SYNTHETISCHEN FORMBAREN ZUSAMMENSETZUNGEN

Title (fr)

PROCEDE ET APPAREIL POUR AMELIORER ET CONTROLER LA VULCANISATION DE COMPOSES MOULABLES SYNTHETIQUES ET NATURELS

Publication

EP 1741010 A2 20070110 (EN)

Application

EP 05725438 A 20050311

Priority

- US 2005008254 W 20050311
- US 55248304 P 20040311
- US 80007904 A 20040311

Abstract (en)

[origin: WO2005086965A2] A process for curing a moldable compound under a plurality of curing conditions by: (1) obtaining time dependent data streams of dielectric or impedance values from a plurality of sensors distributed within a curing mold, wherein the moldable compound is a dialectric for each of the sensors; (2) determining impedance related measurements from the data streams for the plurality of sensors; (3) determining predictive and/or corrective curing actions for enhancing the curing process using the impedance related measurements for the plurality of sensors; and (4) controlling the mass production curing of parts to obtain cured parts having one or more desired properties.

IPC 8 full level

B29C 35/02 (2006.01); **G01N 27/02** (2006.01); **G01N 33/44** (2006.01)

CPC (source: EP)

B29C 35/0288 (2013.01); **G01N 27/021** (2013.01); **G01N 33/442** (2013.01)

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

WO 2005086965 A2 20050922; **WO 2005086965 A3 20060727**; **WO 2005086965 A9 20051117**; EP 1741010 A2 20070110; EP 1741010 A4 20110706

DOCDB simple family (application)

US 2005008254 W 20050311; EP 05725438 A 20050311