

Title (en)

ROTARY RHEOMETER AND METHOD FOR DETERMINING MATERIAL PROPERTIES USING A ROTARY RHEOMETER

Title (de)

ROTATIONSRHEOMETER UND VERFAHREN ZUR BESTIMMUNG VON MATERIALEIGENSCHAFTEN MIT EINEM ROTATIONSRHEOMETER

Title (fr)

RHÉOMÈTRE ROTATIF ET PROCÉDÉ DE DÉTERMINATION DE PROPRIÉTÉS DE MATÉRIAUX AU MOYEN D'UN RHÉOMÈTRE ROTATIF

Publication

**EP 2223078 A1 20100901 (DE)**

Application

**EP 08862731 A 20081209**

Priority

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Abstract (en)

[origin: WO2009077107A1] The invention relates to a rotary rheometer for measuring rheological parameters of a material sample, comprising a motor, the torque thereof being detectable, said motor driving a rotary shaft, the speed and position thereof being detectable. A rotor is attached to the shaft, and a measurement space for receiving the material sample is formed between the rotor and a stator. A controller controls the motor on the basis of an internal control method and internal control parameters, wherein the internal control method and internal control parameters of the controller can be changed and adjusted. Rheological characteristic values of the material sample and/or test parameters can thereby be input into an evaluation unit, wherein the evaluation unit determines the corresponding internal control method and the internal control parameters on the basis of the input characteristic values and/or test parameters.

IPC 8 full level

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Citation (search report)

See references of WO 2009077107A1

Citation (examination)

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- US 5321974 A 19940621 - HEMMINGS RAYMOND T [CA], et al
- US 4352287 A 19821005 - ORTH HEINZ W, et al
- WO 2007036240 A1 20070405 - IFAC GMBH & CO KG [DE], et al

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