

Title (en)

METHOD AND DEVICE FOR CHARACTERIZING SOLID MATERIALS, AND METHOD AND INSTALLATION FOR DETERMINING A THERMODYNAMIC CHARACTERISTIC OF PROBE MOLECULES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR CHARAKTERISIERUNG VON FESTSTOFFMATERIALIEN SOWIE VERFAHREN UND ANLAGE ZUR BESTIMMUNG EINER THERMODYNAMISCHEN EIGENSCHAFT VON SONDENMOLEKÜLEN

Title (fr)

PROCEDE ET DISPOSITIF DE CARACTERISATION DE MATERIAUX SOLIDES, AINSI QUE PROCEDE ET INSTALLATION DE DETERMINATION D'UNE CARACTERISTIQUE THERMODYNAMIQUE DE MOLECULES SONDES

Publication

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Application

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Abstract (en)

[origin: WO2011070295A1] The aim of the invention is to improve the characterization of solid materials by simplifying the implementation thereof, while still obtaining results that are reliable and precise. In the method according to the invention: a material (M) to be characterized, in powder form, is placed in a well (4); while the material (M) is being heated by the applying a predetermined power (P) thereto, the radiative heat flux (F) emitted by the material is measured; and a characteristic of the material (M), associated with the heat lost by said material by thermal conduction to the walls of the well (4), is deduced from the measurements relating to the radiative heat flux (F).

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Citation (search report)

See references of WO 2011070295A1

Citation (examination)

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- US 6306658 B1 20011023 - TURNER HOWARD W [US], et al
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