

Title (en)

METHOD AND APPARATUS FOR THE MEASUREMENT OF THE PROPERTIES OF AN AGGLUTINATION.

Title (de)

VERFAHREN UND GERÄT ZUM MESSEN DER EIGENSCHAFTEN EINER AGGLUTINATION.

Title (fr)

PROCEDE ET APPAREIL DE MESURE DES PROPRIETES D'UN AGGLOMERAT.

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Application

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Priority

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Abstract (en)

[origin: WO8200357A1] Method and apparatus for the measurement of the properties of an agglutination, a precipitate (4), or of a corresponding reaction result placed on the bottom (3) of a vessel (1) by means of radiation and of a detector (6) that receives radiation. The beam of measurement (5) coming from the source of radiation passes substantially in the direction of the vertical axis of the vessel, and the intensity of the radiation passing through, or reflected from, the precipitate on the bottom of the vessel is measured. According to the invention, in order to measure the formation, location, and form of the agglutination or precipitate and/or the density or other properties of different points of the agglutination or precipitate, a component field out of the field of the vessel (1) bottom (3) to be measured is measured, the source of radiation is moved in relation to the detector (6) and the vessel (1) so that the component field at each particular time subject to measurement moves along the entire field of vessel (1) to be measured. For the purpose of processing of the information and production of the output, the location of the component field at each particular time under measurement and the intensity of the radiation at the said point are determined at specified intervals by means of a detector (6) that indicates the position at which the beam of measurement arrives on the face of the detector.

Abstract (fr)

Procede et appareil de mesure des proprietes d'un agglomerat, d'un precipite (4) ou d'un produit correspondant d'une reaction place au fond (3) d'un recipient (1) a l'aide d'une radiation et d'un detecteur (6) qui recoit cette radiation. Le rayon de mesure (5) provenant de la source de radiation passe sensiblement dans le sens de l'axe vertical du recipient, et l'intensite de la radiation passant au travers, ou reflechie par le precipite au fond du recipient est mesuree. Selon l'invention, de maniere a mesurer la formation, la position et la forme de l'agglomerat ou du precipite et/ou la densite ou autres proprietes de differents points de l'agglomerat ou du precipite, on mesure une composante du champ du fond (3) du recipient (1), la source de radiation est deplacee par rapport au detecteur (6) et le recipient (1) de sorte que la composante de champ a chaque moment particulier de mesure se deplace le long du champ total du recipient (1) a mesurer. Dans le but de traiter l'information et d'en produire la sortie, la position de la composante de champ a chaque moment particulier de la mesure et l'intensite de la radiation en ce point sont determinees a des intervalles specifiques a l'aide d'un detecteur (6) qui indique la position a laquelle le rayon de mesure arrive sur la face du detecteur.

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