

Title (en)

CELL, DEVICE COMPRISING THIS CELL AND METHOD FOR MEASURING THE AMOUNT OF INSOLUBLE PARTICLES IN A FLUID AND APPLICATIONS

Title (de)

ZELLE, GERÄT MIT DIESER ZELLE UND VERFAHREN ZUR MESSUNG DER MENGE UNLÖSLICHER PARTIKEL IN EINER FLÜSSIGKEIT SOWIE ANWENDUNGEN DAVON

Title (fr)

CELLULE, DISPOSITIF COMPRENANT CETTE CELLULE ET METHODE DE MESURE DE LA QUANTITE DE PARTICULES INSOLUBLES DANS UN FLUIDE ET APPLICATIONS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2009016282A2] The invention relates to a cell (18) for measuring the amount of insoluble particles in a fluid that comprises a duct (40, 58) that passes through the cell (18), a filter (36) for the particles contained in the fluid, the filter (36) being positioned in the duct (40, 58), an emitter (52) capable of emitting an electromagnetic beam directed towards the insoluble particles concentrated on the filter (36), and a receiver (54) capable of receiving the electromagnetic beam emitted by the emitter (52) and reflected by the insoluble particles concentrated on the filter (36). The invention also relates to a device comprising this cell, to a method for measuring the amount of insoluble particles in a fluid and to applications thereof, in particular to the study of the oxidation stability of petroleum distillates, to the antioxidant capacity of additives of petroleum products and to the determination of the asphaltene content of petroleum products.

IPC 8 full level

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