

Title (en)

METHOD AND DEVICE FOR EXAMINING A SURFACE-ACTIVE SUBSTANCE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM UNTERSUCHEN EINER OBERFLÄCHENAKTIVEN SUBSTANZ

Title (fr)

PROCEDE ET DISPOSITIF POUR ANALYSER UNE SUBSTANCE TENSIOACTIVE

Publication

EP 1393042 A1 20040303 (DE)

Application

EP 02745065 A 20020517

Priority

- DE 0201828 W 20020517
- DE 10125754 A 20010518

Abstract (en)

[origin: WO02095367A1] The invention relates to a method and a device for examining the properties, especially physical properties, of a surface-active substance. A fluid is introduced in the form of a test volume into another fluid which cannot be mixed therewith, whereby at least one boundary layer is formed in a partial area of a surface of the test volume between the first fluid and the second fluid. The test volume is embodied in an axially symmetric manner around a given defining axis, whereby the boundary layer is formed in such a way that it is axially symmetrical in relation to the given defining axis. The surface-active substance is spread over the boundary layer in order to form a surface film in the region of the boundary layer with the surface-active substance. The surface film can then be examined microscopically.

IPC 1-7

G01N 13/02

IPC 8 full level

G01N 13/02 (2006.01)

CPC (source: EP US)

G01N 13/02 (2013.01 - EP US); **G01N 2013/0266** (2013.01 - EP US); **G01N 2013/0275** (2013.01 - EP US)

Citation (search report)

See references of WO 02095367A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02095367 A1 20021128; CA 2447699 A1 20021128; DE 10292243 D2 20040527; EP 1393042 A1 20040303; JP 2004527759 A 20040909; US 2004168506 A1 20040902; US 7155962 B2 20070102

DOCDB simple family (application)

DE 0201828 W 20020517; CA 2447699 A 20020517; DE 10292243 T 20020517; EP 02745065 A 20020517; JP 2002591795 A 20020517; US 47783204 A 20040330