Title (en)

METHOD FOR MINIATURIZING A POLARIMETER IN ORDER TO ANALYZE LOW CONCENTRATED CONSTITUENTS IN A FLUID MEASURING PRODUCT ON AN OPTICAL BASIS AND DEVICE FOR THE IMPLEMENTATION THEREOF

Title (de)

VERFAHREN ZUR MINIATURISIERUNG EINES POLARIMETERS ZUR ANALYSE NIEDRIG KONZENTRIETER KOMPONENTEN IM FLÜSSIGEM MESSGUT AUF OPTISCHER BASIS SOWIE VORRICHTUNG ZU SEINER DURCHFÜHRUNG

Title (fr)

PROCEDE DE MINIATURISATION D'UN POLARIMETRE POUR ANALYSER DES CONSTITUANTS DE FAIBLE CONCENTRATION DANS UN PRODUIT LIQUIDE A MESURER A BASE OPTIQUE ET DISPOSITIF PERMETTANT DE METTRE LEDIT PROCEDE EN OEUVRE

Publication

EP 1084393 A1 20010321 (DE)

Application

EP 99919164 A 19990330

Priority

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- EP 9902196 W 19990330

Abstract (en)

[origin: DE19815932A1] A method for miniaturizing a polarimeter with a very long optical path length for analyzing low concentrated components in particular in a fluid measuring product on an optical basis, whereby the optical measuring beam is guided several times through the measuring product. The measuring beam is deflected by means of total reflection in prisms which are arranged on the outer sides of the measuring chamber or by reflection onto mirrors arranged inside the measuring chamber. A specific optical structure ensures that no modification occurs in the polarization state of the light, i.e. the angle of rotation and ellipticity thereof.

IPC 1-7

G01N 21/21; G01J 4/04

IPC 8 full level

G01J 4/04 (2006.01); **G01J 4/00** (2006.01); **G01N 21/19** (2006.01)

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