

Title (en)

DEVICE USED IN WAVELENGTH MODULATION SPECTROSCOPY AND SYSTEM USING SUCH A DEVICE

Title (de)

VORRICHTUNG FÜR WELLENLÄNGENMODULATIONSSPEKTROSKOPIE UND SYSTEM MIT DERARTIGER VORRICHTUNG

Title (fr)

DISPOSITIF UTILISE EN SPECTROSCOPIE PAR MODULATION DE LONGUEUR D'ONDE ET SYSTEME UTILISANT CE DISPOSITIF

Publication

EP 2076811 A1 20090708 (EN)

Application

EP 07835065 A 20070928

Priority

- SE 2007000861 W 20070928
- SE 0602039 A 20061002

Abstract (en)

[origin: WO2008041905A1] The invention relates to device (1,19,24) arranged for use in a wavelength spectroscopic system. The device is adapted for rotation around a rotational axis, and has a portion transparent to light extending through it. The device is arranged for receiving or is provided with an optical filter (3) in the transparent portion such that the filter normal and the rotational axis are not equal. The transparent portion maybe constituted by a through hole. In a particularly advantageous embodiment, the device simply comprises the inner rotating part (19) of a motor having a through hole in the inner rotating part. The invention further relates to a wavelength modulation spectroscopic system with a device according to the invention. A wavelength modulation spectroscopic system with such a device is a particularly simple design for spectroscopic detection of substances, such as water ice.

IPC 8 full level

G02B 7/00 (2006.01); **G01J 3/433** (2006.01); **G01N 21/31** (2006.01); **G02B 26/00** (2006.01)

CPC (source: EP SE)

G01J 3/06 (2013.01 - EP); **G01J 3/4338** (2013.01 - EP); **G01N 21/31** (2013.01 - SE); **G02B 5/20** (2013.01 - SE); **G02B 26/002** (2013.01 - SE); **G02B 26/007** (2013.01 - EP); **G01J 2003/1243** (2013.01 - EP); **G01N 21/3554** (2013.01 - EP)

Citation (examination)

JP 2003311455 A 20031105 - NIPPON STEEL CORP

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2008041905 A1 20080410; EP 2076811 A1 20090708; SE 0602039 L 20080108; SE 529931 C2 20080108

DOCDB simple family (application)

SE 2007000861 W 20070928; EP 07835065 A 20070928; SE 0602039 A 20061002