

Title (en)

OPTICAL FLOW CELL FOR USE IN SPECTRAL ANALYSIS

Title (de)

OPTISCHE DURCHFLOSSZELLE ZUR VERWENDUNG IN DER SPEKTRALEN ANALYSE

Title (fr)

CUVE A FLUX OPTIQUE UTILISEE EN ANALYSE SPECTRALE

Publication

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Application

EP 96941803 A 19961231

Priority

- IL 9600195 W 19961231
- IL 11697296 A 19960131

Abstract (en)

[origin: WO9728477A1] An optical flow cell (1) for use in spectral analysis comprises a housing (2) formed with intersecting first and second bores (4 and 3) forming between them a fluid cavity (5). The first and second bores (4 and 3) serve, respectively, for fluid throughflow and radiation transmission. The second bore (3) holds in a fluid tight fit and releasable fashion two radiation transmitting optical probes (6 and 7) having each an outer end portion and an inner end portion with an inner end face (13). The outer end portion of one probe (6) is linked to a radiation source and the outer end portion of another probe (7) is linked to a spectrometer, the inner end faces (13) of the probes facing the fluid cavity (5) and being spaced from each other. Each of the optical probes (6 and 7) is in the form of an optical fiber cable (10) having a ferrule (11) mounted on the inner end portion of the cable and firmly held in an associated radiation transmitting bore section.

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