

Title (en)

DEVICE FOR SPECTROSCOPIC NMR ANALYSIS OF METABOLITES OF A CULTURE MEDIUM

Title (de)

EINRICHTUNG ZUR SPEKTROSKOPISCHEN NMR-ANALYSE VON ABBAUZWISCHENPRODUKTEN EINES KULTURMEDIUMS

Title (fr)

DISPOSITIF POUR L'ANALYSE SPECTROSCOPIQUE RMN IN VIVO DES METABOLITES D'UN MILIEU DE CULTURE

Publication

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Application

EP 01996750 A 20011114

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Abstract (en)

[origin: WO0241021A1] The invention concerns a device (100) for *in vivo* spectroscopic analysis of metabolites of a culture medium, by nuclear magnetic resonance (NMR). The device comprises a arrangement of tubular conduits (110, 120) designed to be positioned in an NMR analysis apparatus, said arrangement having an input (109) and an output (115) adapted to be connected to a reactor containing the culture medium, a first portion (101) wherein there is defined a helical path of the culture medium in which the nuclei of the cells of the culture medium are magnetised, and a second portion (102) wherein there is defined a rectilinear path along one direction and the opposite direction of the culture medium in which some nuclei are energized and the NMR spectra of said nuclei are recorded.

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