

Title (en)

METHOD AND DEVICE FOR CARRYING OUT 2D ELECTROPHORESIS IN LARGE GELS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR 2D-ELEKTROPHORESE IN GROSSEN GELEN

Title (fr)

PROCEDE ET DISPOSITIF POUR ELECTROPHORESE EN 2D DANS DES GELS IMPORTANTS

Publication

**EP 1322950 A2 20030702 (DE)**

Application

**EP 01986344 A 20011004**

Priority

- DE 0103869 W 20011004
- DE 10050838 A 20001005

Abstract (en)

[origin: WO0229396A2] The invention relates to a method and device for separating complex protein mixtures with the aid of high-resolution two-dimensional electrophoresis (2D electrophoresis, 2DE) in large gels. The invention is characterized in that the separation of the proteins in the first dimension is carried out in hollow, porous and protein-permeable materials and, in the second dimension, the porous materials are placed inside a glass cassette without being modified. Said glass cassette contains a flat gel into which the proteins migrate through the wall of the porous material during electrophoresis. The 2DE, together with the mass spectrometry, forms the basic technique, e.g. for the proteomic analysis, i.e. for separating and identifying the entire protein of a cell type, organ or of an organism.

IPC 1-7

**G01N 27/447**

IPC 8 full level

**C07K 1/26** (2006.01); **G01N 27/447** (2006.01)

CPC (source: EP US)

**C07K 1/26** (2013.01 - EP US); **C07K 1/285** (2013.01 - EP US); **G01N 27/44773** (2013.01 - EP US)

Citation (search report)

See references of WO 0229396A2

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 0229396 A2 20020411**; **WO 0229396 A3 20021205**; AU 2049102 A 20020415; CA 2424298 A1 20030404; DE 10050838 A1 20020425; EP 1322950 A2 20030702; JP 2004510978 A 20040408; US 2004069631 A1 20040415

DOCDB simple family (application)

**DE 0103869 W 20011004**; AU 2049102 A 20011004; CA 2424298 A 20011004; DE 10050838 A 20001005; EP 01986344 A 20011004; JP 2002532919 A 20011004; US 39840803 A 20031010