

Title (en)

MODULAR LABORATORY APPARATUS FOR ANALYSIS AND SYNTHESIS OF LIQUIDS AND METHOD FOR ANALYSIS AND SYNTHESIS OF LIQUIDS

Title (de)

MODULARES LABORGERÄT ZUR ANALYSE UND SYNTHESE VON FLÜSSIGKEITEN UND VERFAHREN ZUR ANALYSE UND SYNTHESE VON FLÜSSIGKEITEN

Title (fr)

APPAREIL MODULAIRE DE LABORATOIRE POUR L'ANALYSE ET LA SYNTHÈSE DE LIQUIDES ET PROCÉDÉ D'ANALYSE ET DE SYNTHÈSE DE LIQUIDES

Publication

EP 2092345 A1 20090826 (DE)

Application

EP 07819478 A 20071031

Priority

- EP 2007009444 W 20071031
- DE 102006051346 A 20061031

Abstract (en)

[origin: WO2008052758A1] A modular laboratory apparatus for analysis and synthesis of liquids has a liquid container (50), a central evaluation electronic unit (30), a multiplicity of functional modules (40) and a multiplicity of fluid modules (42). The functional modules (40) are arranged in series and mechanically and fluidically connected to one another. At least one fluid module (42) is fluidically connected to the liquid container (50) and to one of the functional modules (40), and provision is made of electrical connections (52) which connect the functional modules (40) and the fluid modules (42) to the central evaluation electronic unit (30). In a method for analysis and synthesis of liquids using a modular laboratory apparatus according to the invention, the functional modules (40) and the fluid modules (42) are controlled by the central evaluation electronic unit (30) by means of an analysis and/or synthesis programme in order to carry out an analysis programme and/or a synthetic programme.

IPC 8 full level

B01L 99/00 (2010.01)

CPC (source: EP US)

G01N 35/00722 (2013.01 - EP US); **G01N 35/0092** (2013.01 - EP US); **G01N 2035/00891** (2013.01 - EP US); **G01N 2035/0096** (2013.01 - EP US); **Y10T 436/11** (2015.01 - EP US)

Citation (search report)

See references of WO 2008052758A1

Citation (third parties)

Third party :

- US 6832622 B2 20041221 - HASSEL JOERG [DE], et al
- US 5766460 A 19980616 - BERGSTROEM JAN [SE], et al
- US 6942785 B2 20050913 - BAYER THOMAS [DE], et al
- US 5519635 A 19960521 - MIYAKE RYO [JP], et al

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 2008052758 A1 20080508; AU 2007315217 A1 20080508; CN 101563614 A 20091021; EP 2092345 A1 20090826; JP 2010508500 A 20100318; US 2010075425 A1 20100325

DOCDB simple family (application)

EP 2007009444 W 20071031; AU 2007315217 A 20071031; CN 200780040786 A 20071031; EP 07819478 A 20071031; JP 2009533752 A 20071031; US 44772007 A 20071031