

Title (en)

METHODS AND APPARATUS FOR DETERMINING ANALYTES IN VARIOUS MATRICES

Title (de)

VERFAHREN UND GERÄT ZUR BESTIMMUNG VON ANALYTEN IN VERSCHIEDENEN MATRIZEN

Title (fr)

PROCEDES ET APPAREILS POUR DETERMINER LES ANALYSATS DANS DIFFERENTES MATRICES

Publication

**EP 1024900 A4 20060215 (EN)**

Application

**EP 98955018 A 19981021**

Priority

- US 9822186 W 19981021
- US 6303897 P 19971022
- US 5823898 A 19980409

Abstract (en)

[origin: WO9920396A1] Methods and apparatus (e.g., devices, systems, test kits) for conducting chemical analyses. Included are a) analytical systems (e.g., test kits which include apparatus, membrane(s) and reagent(s)) whereby membranes(s) are utilized to separate selected analyte(s) from other matter present in a complex matrix (e.g., a foodstuff, oil, pharmaceutical/cosmetic preparation, biological fluid, etc.); b) analytical apparatus (e.g., sample processing apparatus and other hardware components in combination with membrane(s)) useable to qualitatively or quantitatively determine one or more analytes in a complex matrix; c) analytical methods for qualitatively or quantitatively determining one or more analytes in a complex matrix; and, d) novel chemical tests for qualitative and/or quantitative determination of certain analytes.

IPC 1-7

**B01L 11/00**; **G01N 33/92**; **G01N 31/22**; **C12Q 1/26**; **G01N 33/52**; **G01N 33/68**

IPC 8 full level

**B01D 35/02** (2006.01); **B01D 63/08** (2006.01); **B01L 3/00** (2006.01); **C12Q 1/26** (2006.01); **C12Q 1/28** (2006.01); **G01N 1/10** (2006.01); **G01N 31/00** (2006.01); **G01N 33/48** (2006.01); **G01N 33/84** (2006.01); **G01N 33/92** (2006.01)

CPC (source: EP)

**C12Q 1/26** (2013.01); **C12Q 1/28** (2013.01); **G01N 33/84** (2013.01); **G01N 33/92** (2013.01)

Citation (search report)

- [XY] US 5601711 A 19970211 - SKLAR ERIC [US], et al
- [X] US 4948564 A 19900814 - ROOT DAVID [US], et al
- [X] US 5344571 A 19940906 - MENDERSHAUSEN PHILIP B [US], et al
- [X] US 4974458 A 19901204 - KOIKE TOSHIO [JP]
- [X] US 4407943 A 19831004 - COLE FRANCIS X [US], et al
- [Y] GB 1104137 A 19680221 - BOEHRINGER & SOEHNE GMBH
- [Y] JP S56100341 A 19810812 - ASAHI CHEMICAL IND
- [XY] DE 2543543 A1 19770407 - MERCK PATENT GMBH
- [Y] A. CONA ET AL.: "A new and sensitive method for the assay of amine oxidase by measurement of liberated peroxide.", BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, vol. 17, no. 1, 1993, GB, pages 57 - 63, XP008057588
- [Y] JIANG Z-H ET AL: "FERROUS ION OXIDATION IN THE PRESENCE OF XYLENOL ORANGE FOR DETECTION OF LIPID HYDROPEROXIDE IN LOW DENSITY LIPOPROTEIN", ANALYTICAL BIOCHEMISTRY, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 202, 1992, pages 384 - 389, XP001030601, ISSN: 0003-2697
- [Y] DATABASE CA [online] CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SHINOHARA, RIKIO ET AL: "Comparison of lipid peroxide values determined by various methods during heating of unsaturated fatty acids", XP002360194, retrieved from STN Database accession no. 127:245140 & SEIBUTSU SHIRYO BUNSEKI, 19(3), 194-198 CODEN: SSBUEL; ISSN: 0913-3763, 1996
- See references of WO 9920396A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9920396 A1 19990429**; AU 1191999 A 19990510; AU 2003212035 A1 20030814; AU 759265 B2 20030410; CA 2305613 A1 19990429; EP 1024900 A1 20000809; EP 1024900 A4 20060215; JP 2001520394 A 20011030

DOCDB simple family (application)

**US 9822186 W 19981021**; AU 1191999 A 19981021; AU 2003212035 A 20030709; CA 2305613 A 19981021; EP 98955018 A 19981021; JP 2000516778 A 19981021