Title (en)

THE USE OF FLUID INSOLUBLE OXIDIZING AGENTS TO ELIMINATE INTERFERING SUBSTANCES IN OXIDATION-REDUCTION MEASURING SYSTEMS

Publication

EP 0467978 A4 19920311 (EN)

Application

EP 90906723 A 19900412

Priority

- US 33762489 A 19890413
- US 50055490 A 19900328

Abstract (en)

[origin: WO9012113A1] Systems and methods are disclosed for removing redox-active substances from aqueous, partially aqueous or non-aqueous fluids. The invention involves contacting the fluid to be treated with a redox-active agent that is insoluble in the fluid, thereby oxidizing interfering redox-active substances. Electron transfer agents can also be employed. The residual redox oxidizing agent is removed from the treated fluid on the basis of its insolubility, so that no residual redox activity remains. The invention is useful for removal of interfering redox-active substances from liquid samples when analytes in the sample are to be measured using reduction-oxidation chemistry and the redox-active interfering substances removed by the disclosed method interfere in the reduction-oxidation analysis. Furthermore, this invention is especially useful to pretreat blood, serum, plasma or other bodily fluids prior to analysis or other use of these fluids, where the presence of reduction-oxidation active substances constitutes an interference in that analysis or use.

IPC 1-7

C12Q 1/26; C12Q 1/32; G01N 1/00

IPC 8 full level

C12Q 1/26 (2006.01); **C12Q 1/32** (2006.01)

CPC (source: EP)

C12Q 1/26 (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9012113A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

WO 9012113 A1 19901018; AU 5527090 A 19901105; CA 2051119 A1 19901014; EP 0467978 A1 19920129; EP 0467978 A4 19920311; JP H04504504 A 19920813

DOCDB simple family (application)

US 9001887 W 19900412; AU 5527090 A 19900412; CA 2051119 A 19900412; EP 90906723 A 19900412; JP 50644390 A 19900412