

Title (en)

VIRAL INACTIVATION PROCESS USING ANTIOXIDANT

Title (de)

METHODE ZUR INAKTIVIERUNG VON VIRIEN MITTELS ANTIOXIDANTIEN

Title (fr)

PROCEDE D'INACTIVATION VIRALE UTILISANT UN ANTIOXYDANT

Publication

**EP 1404379 A2 20040407 (EN)**

Application

**EP 02744213 A 20020530**

Priority

- US 0217530 W 20020530
- US 29486601 P 20010530
- US 35332102 P 20020201
- US 37346502 P 20020417

Abstract (en)

[origin: WO02096471A2] Methods and apparatuses are provided for inactivation of microorganisms in fluids or on surfaces. Preferably the fluids contain blood or blood products and comprise biologically active proteins. Preferred methods for inactivation of microorganisms include the steps of adding an effective, non-toxic amount of an endogenous photosensitizer and a quencher to a fluid and exposing the fluid to photoradiation sufficient to active the endogenous photosensitizer whereby microorganisms are inactivated. The quencher reduces side reactions generated by a photosensitizer and light that can damage desired biological components.

IPC 1-7

**A61L 2/00**; **A61L 2/08**; **A61L 2/10**; **A61M 1/36**; **A61K 41/00**; **C12N 7/04**

IPC 8 full level

**A61K 35/18** (2006.01); **A01N 1/02** (2006.01); **A61K 35/14** (2006.01); **A61K 41/00** (2006.01); **A61L 2/00** (2006.01); **A61L 2/08** (2006.01); **A61L 2/10** (2006.01); **A61M 1/36** (2006.01); **A61P 7/00** (2006.01)

CPC (source: EP US)

**A61K 41/17** (2020.01 - EP); **A61L 2/0052** (2013.01 - EP US); **A61L 2/0058** (2013.01 - EP); **A61L 2/0076** (2013.01 - EP); **A61L 2/0082** (2013.01 - EP); **A61L 2/0088** (2013.01 - EP); **A61L 2/10** (2013.01 - EP); **A61M 1/3681** (2013.01 - EP); **A61M 1/3683** (2014.02 - EP US); **A61P 7/00** (2017.12 - EP); **A61L 2202/22** (2013.01 - EP)

Citation (search report)

See references of WO 02096471A2

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 02096471 A2 20021205**; **WO 02096471 A3 20030227**; EP 1404379 A2 20040407; JP 2004520448 A 20040708

DOCDB simple family (application)

**US 0217530 W 20020530**; EP 02744213 A 20020530; JP 2002592979 A 20020530