

Title (en)
COPPER ORGANOCOMPLEXES, USE THEREOF AS ANTITUMOR MEANS AND FOR PROTECTING HEALTHY TISSUE FROM IONIZING RADIATION

Title (de)
KUPFER-ORGANOKOMPLEXE, DEREN VERWENDUNG ALS ANTITUMORMITTEL UND ZUM SCHUTZ GESUNDEN GEWEBES VOR IONISIERENDER STRAHLUNG

Title (fr)
COMPLEXES ORGANIQUES DU CUIVRE, LEUR UTILISATION EN TANT QU AGENT ANTITUMORAL ET LEUR UTILISATION POUR PROTÉGER LES TISSUS SAINS DES RAYONNEMENTS IONISANTS

Publication
EP 2257558 A1 20101208 (DE)

Application
EP 09712104 A 20090220

Priority
• EP 2009052073 W 20090220
• EP 08151840 A 20080222
• EP 09712104 A 20090220

Abstract (en)
[origin: WO2009103807A1] The present invention relates to copper organocomplexes and pharmaceutical compositions comprised thereof. They can be used for the treatment of illnesses caused by hyperproliferative cells, and they also protect healthy tissue from ionizing radiation. They are prepared by reacting a copper(II) acylate having an acidic to neutral pH with an organic compound selected from 4-[bis(2-chloroethyl)-amino]-D,L-phenylalanine (Sarcosine), the hydrochloride thereof, N-(2-furanidyl)-5-fluoruracil (Tegafur) and aminocarbonylaziridin (Leacadin) in a chloroform/methanol mixture.

IPC 8 full level
C07F 1/00 (2006.01); **A61K 31/00** (2006.01); **A61P 35/00** (2006.01)

CPC (source: EP US)
A61P 35/00 (2017.12 - EP); **C07F 1/005** (2013.01 - EP US)

Citation (search report)
See references of WO 2009103807A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009103807 A1 20090827; **WO 2009103807 A8 20100916**; AU 2009216672 A1 20090827; BR PI0906011 A2 20150630; CA 2716288 A1 20090827; CN 102007134 A 20110406; EP 2130832 A1 20091209; EP 2257558 A1 20101208; JP 2011512387 A 20110421; RU 2010139607 A 20120327; US 2011077230 A1 20110331

DOCDB simple family (application)
EP 2009052073 W 20090220; AU 2009216672 A 20090220; BR PI0906011 A 20090220; CA 2716288 A 20090220; CN 200980113936 A 20090220; EP 08151840 A 20080222; EP 09712104 A 20090220; JP 2010547190 A 20090220; RU 2010139607 A 20090220; US 91813109 A 20090220