

Title (en)  
ANTINEOPLASTIC DERIVATIVES OF 4-OXO-1,4-DIHYDRO-QUINOLINE, PREPARATION THEREOF, AND THERAPEUTIC USE THEREOF

Title (de)  
ANTIKREBSDERIVATE VON 4-OXO-1,4-DIHYDROQUINOLIN, DEREN HERSTELLUNG UND THERAPEUTISCHE VERWENDUNG

Title (fr)  
DERIVES ANTICANCEREUX DE 4-OXO-1,4-DIHYDRO-QUINOLINE, LEUR PREPARATION ET LEUR APPLICATION EN THERAPEUTIQUE

Publication  
**EP 2307401 A2 20110413 (FR)**

Application  
**EP 09784468 A 20090706**

Priority  
• FR 2009051322 W 20090706  
• FR 0803863 A 20080708

Abstract (en)  
[origin: WO2010004198A2] The invention relates to antineoplastic compounds of formula (I) where: - R1 is a (C3-C7)cycloalkyl or (C1-C6)alkyl group optionally substituted with -NRaNb; - A is -NR2N3; - B is -NR4R5 or -OR6; R6 is H or a (C1-C4)alkyl group; - Z is N or CH, and Z' is N or CH if Z is N and CH if Z is CH; - R7 is H or a (C1-C4) alkyl group; - L is a -CH=CH-, -CH2CH2-, -CH2CH[NHC(=O)O(C1-C4)alkyl], or -(CH2)n-Y- group (n=1-4, and y = O or NR8, with R8 being H or a (C1-C4)alkyl group); - Ar is a group chosen from formula (II).

IPC 8 full level  
**C07D 401/12** (2006.01); **A61K 31/4375** (2006.01); **A61K 31/4709** (2006.01); **A61K 31/519** (2006.01); **A61P 35/00** (2006.01); **C07D 213/40** (2006.01); **C07D 213/82** (2006.01); **C07D 215/56** (2006.01); **C07D 401/14** (2006.01); **C07D 407/14** (2006.01); **C07D 471/04** (2006.01)

CPC (source: EP KR US)  
**A61K 31/4375** (2013.01 - KR); **A61P 35/00** (2017.12 - EP); **C07D 401/12** (2013.01 - EP US); **C07D 401/14** (2013.01 - EP KR US); **C07D 407/14** (2013.01 - EP US); **C07D 471/04** (2013.01 - EP KR US)

Citation (search report)  
See references of WO 2010004198A2

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 SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2010004198 A2 20100114; WO 2010004198 A3 20100304**; AR 072474 A1 20100901; AU 2009267828 A1 20100114; BR PI0915558 A2 20160126; CA 2730071 A1 20100114; CN 102149706 A 20110810; EP 2307401 A2 20110413; FR 2933701 A1 20100115; IL 210458 A0 20110331; JP 2011527321 A 20111027; KR 20110031371 A 20110325; MX 2011000329 A 20110405; RU 2011104367 A 20120820; TW 201006836 A 20100216; US 2011251194 A1 20111013; UY 31972 A 20100226

DOCDB simple family (application)  
**FR 2009051322 W 20090706**; AR P090102533 A 20090707; AU 2009267828 A 20090706; BR PI0915558 A 20090706; CA 2730071 A 20090706; CN 200980134942 A 20090706; EP 09784468 A 20090706; FR 0803863 A 20080708; IL 21045811 A 20110104; JP 2011517201 A 20090706; KR 20117002860 A 20090706; MX 2011000329 A 20090706; RU 2011104367 A 20090706; TW 98123130 A 20090708; US 98664211 A 20110107; UY 31972 A 20090708