

Title (en)  
TREATMENT OF HUMAN TUMORS WITH RADIATION AND INHIBITORS OF GROWTH FACTOR RECEPTOR TYROSINE KINASES

Title (de)  
BEHANDLUNG VON HUMANEN TUMOREN MIT BESTRAHLUNG UND INHIBITOREN DER WACHSTUMSFAKTORREZEPTOR-TYROSINKINASE

Title (fr)  
TRAITEMENT DE TUMEURS HUMAINES A L'AIDE D'UN RAYONNEMENT ET D'INHIBITEURS DE TYROSINE KINASES DE RECEPTEURS DU FACTEUR DE CROISSANCE

Publication  
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Application  
**EP 99924253 A 19990514**

Priority

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- US 20613898 A 19981207

Abstract (en)  
[origin: WO9960023A1] A method to inhibit the growth of tumors in human patients, comprising treating the human patients with an effective amount of a combination of radiation and a non-radiolabeled protein receptor tyrosine kinase inhibitor, the overexpression of which can lead to tumorigenesis.

IPC 1-7  
**C07K 16/00**; **A61K 39/395**; **A61N 5/10**; **C07K 16/28**

IPC 8 full level  
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CPC (source: EP KR)  
**A61K 39/395** (2013.01 - KR); **A61P 35/00** (2017.12 - EP); **C07K 16/2863** (2013.01 - EP); **A61K 38/00** (2013.01 - EP)

Citation (search report)

- [X] WO 9640210 A1 19961219 - IMCLONE SYSTEMS INC [US], et al
- [X] GOLDKORN T ET AL: "EGF receptor phosphorylation is affected by ionizing radiation", BIOCHIMICA ET BIOPHYSICA ACTA. MOLECULAR CELL RESEARCH, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 1358, no. 3, 11 October 1997 (1997-10-11), pages 289 - 299, XP004277704, ISSN: 0167-4889
- [DX] BALABAN NAOMI ET AL: "The effect of ionizing radiation on signal transduction: Antibodies to EGF receptor sensitize A431 cells to radiation.", BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1314, no. 1-2, 1996, pages 147 - 156, XP001055207, ISSN: 0006-3002
- [DX] SALEH M ET AL: "In vitro and in vivo evaluation of the cytotoxicity of radiation combined with chimeric monoclonal antibody to the epidermal growth factor receptor.", PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL, vol. 37, 1996, 87th Annual Meeting of the American Association for Cancer Research; Washington, D.C., USA; April 20-24, 1996, 1996, pages 612, XP001027768, ISSN: 0197-016X
- [T] SALEH MANSOOR N ET AL: "Combined modality therapy of A431 human epidermoid cancer using anti-EGFr antibody C225 and radiation.", CANCER BIOTHERAPY & RADIOPHARMACEUTICALS, vol. 14, no. 6, 1999, pages 451 - 463, XP001027767, ISSN: 1084-9785
- See references of WO 9960023A1

Designated contracting state (EPC)  
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**WO 9960023 A1 19991125**; AU 4079999 A 19991206; BR 9910511 A 20011120; CA 2332331 A1 19991125; CN 1314917 A 20010926; CZ 20004224 A3 20020213; EP 1080113 A1 20010307; EP 1080113 A4 20020417; HK 1040720 A1 20020621; IL 139707 A0 20020210; JP 2002515511 A 20020528; KR 20010071271 A 20010728; MX PA00011248 A 20040906; PL 348634 A1 20020603; SK 17282000 A3 20020404

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**US 9910741 W 19990514**; AU 4079999 A 19990514; BR 9910511 A 19990514; CA 2332331 A 19990514; CN 99808614 A 19990514; CZ 20004224 A 19990514; EP 99924253 A 19990514; HK 02102068 A 20020318; IL 13970799 A 19990514; JP 2000549641 A 19990514; KR 20007012832 A 20001115; MX PA00011248 A 19990514; PL 34863499 A 19990514; SK 17282000 A 19990514