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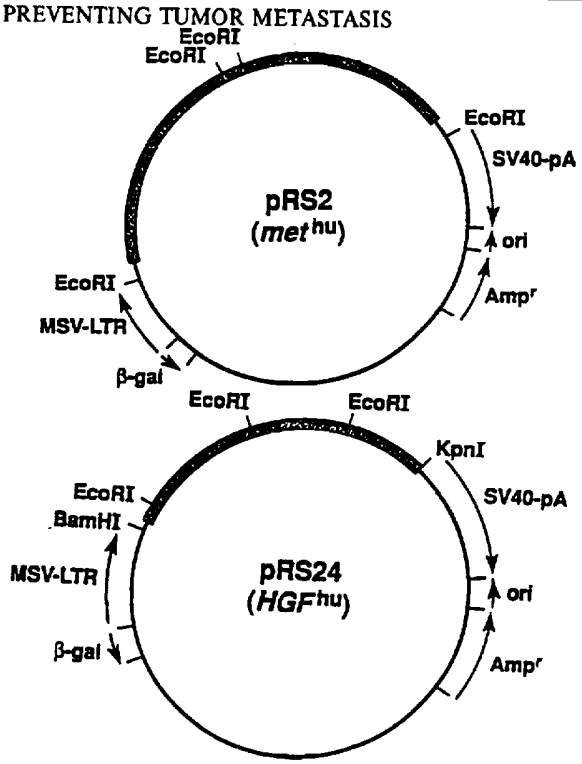
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26 May 1994 (26.05.94)

(54) Title: A METHOD OF PREVENTING TUMOR METASTASIS



(57) Abstract

A method of preventing tumor cell metastasis by inhibiting the binding of hepatocyte growth factor/scatter factor ("HGF/SF") with *met* proto-oncogene protein is described. A method of producing HGF/SF and a cell line for the production of HGF/SF are also described.

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INTERNATIONAL SEARCH REPORT

Internatio \pplication No
PCT/US 93/08531

A. CLASSIFICATION OF SUBJECT MATTER
IPC 5 C12N15/12 C12N15/85 C07K13/00 C07K15/28 A61K37/02
A61K39/395

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 5 C12N C07K A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO,A,92 05184 (THE UNITED STATES OF AMERICA) 2 April 1992 cited in the application see page 3, line 3 - line 19 see page 5, line 31 - page 6, line 6 see claims 1,12	1,2
X	WO,A,92 13097 (THE UNITED STATES OF AMERICA) 6 August 1992 cited in the application see page 12, line 20 - page 13, line 10	1-3

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
29 March 1994	28. 04. 94

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Hornig, H

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EMBO JOURNAL vol. 11, no. 7 , July 1992 , IRL PRESS LIM., OXFORD, ENGL.; pages 2503 - 2510 N.A. LOKKER ET AL. 'Structure-function analysis of hepatocyte growth factor: identification of variants that lack mitogenic activity yet retain high affinity receptor binding' cited in the application the whole document	1-4
A	SCIENCE vol. 218 , 10 December 1982 , AAAS, WASHINGTON, DC, US; pages 1122 - 1125 D.G. BLAIR ET AL. 'New method for detecting cellular transforming genes' cited in the application the whole document	5
A	BIOCHEM. BIOPHYS. RES. COMMUN. vol. 180, no. 2 , 31 October 1991 , ACADEMIC PRESS, N.Y., US; pages 1151 - 1158 N. SHIMA ET AL. 'Tumor cytotoxic factor/Hepatocyte growth factor from human fibroblasts: Cloning of its cDNA, purification and characterization of recombinant protein' the whole document	1-5
A	EP,A,0 456 188 (NAKAMURA, T., TOYO BOSEKI KABUSHIKI KAISHA) 13 November 1991	1-4
P,X	WO,A,93 15754 (UNITED STATERS OF AMERICA) 19 August 1993 see page 14, line 14 - page 15, line 4; claims 1-7	1-3
P,X	MOL. CELL. BIOL. vol. 12, no. 11 , November 1992 , AM. SOC. MICROBIOL., WASHINGTON, D.C. US; pages 5152 - 5158 S. RONG ET AL. 'Tumorigenicity of the met proto-oncogene and the gene for hepatocyte growth factor' see page 5152, right column, line 27 - page 5153, left column, line 10 see page 5154, left column, line 17 - right column, line 18	6,7

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INTERNATIONAL SEARCH REPORT

Internatio \pplication No
PCT/US 93/08531

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	CELL GROWTH & DIFFERENTIATION vol. 4, no. 7 , July 1993 , WAVERLY PRESS, INC., BALTIMORE,MD,US; pages 563 - 569 S. RONG ET AL. 'Tumorigenesis induced by coexpression of human hepatocyte growth factor and the human met protooncogene leads to high levels of expression of the ligand and the receptor' the whole document -----	5-7

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

Intern: ial application No.
PCT/US 93/ 08531

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.- claims 1-4
2.- claims 5-7

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searches without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

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Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☒ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internatic Application No
PCT/US 93/08531

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO-A-9205184	02-04-92	AU-A-	8659591	15-04-92
		CA-A-	2091700	15-03-92
		EP-A-	0571387	01-12-93
WO-A-9213097	06-08-92	AU-A-	1273892	27-08-92
		EP-A-	0567585	03-11-93
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