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(54) **Title:** POXVIRAL ONCOLYTIC VECTORS

(57) **Abstract:** The present invention relates to a poxvirus comprising a defective F2L gene, to composition comprising such poxvirus and to the methods and use of such compositions and poxviruses for therapeutic purposes, and more particularly for the treatment of cancer.

INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

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

EPO-Internal, BIOSIS, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 367 128 A (CONNAUGHT TECHNOLOGY CORP [US]) 3 December 2003 (2003-12-03) paragraph [0328]	1, 3-5, 19, 20
X	PERKUS M E ET AL: "DELETION OF 55 OPEN READING FRAMES FROM THE TERMINI OF VACCINIA VIRUS" VIROLOGY, ACADEMIC PRESS, ORLANDO, US, vol. 180, 1 January 1991 (1991-01-01), pages 406-410, XP000351448 ISSN: 0042-6822 the whole document	1, 3-5, 19, 20

Further documents are listed in the continuation of Box C.

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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	<p>ZHANG Q ET AL: "Eradication of solid human breast tumors in nude mice with an intravenously injected light-emitting oncolytic vaccinia virus" CANCER RESEARCH, AMERICAN ASSOCIATION FOR CANCER RESEARCH, BALTIMORE, MD.; US, vol. 67, no. 20, 15 October 2007 (2007-10-15), pages 10038-10046, XP002505303 ISSN: 0008-5472</p>	
A	<p>ERBS P ET AL: "Modified vaccinia virus Ankara as a vector for suicide gene therapy" CANCER GENE THERAPY, vol. 15, no. 1, 9 November 2007 (2007-11-09), pages 18-28, XP002524702 ISSN: 0929-1903</p>	
A	<p>ROSEMAN NANCY A ET AL: "Purification and characterization of the vaccinia virus deoxyuridine triphosphatase expressed in Escherichia coli" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 271, no. 38, 1996, pages 23506-23511, XP002524703 ISSN: 0021-9258</p>	
P,X	<p>PRICHARD MARK N ET AL: "Vaccinia virus lacking the deoxyuridine triphosphatase gene (F2L) replicates well in vitro and in vivo, but is hypersensitive to the antiviral drug (N)-methanocarbothymidine" VIROLOGY JOURNAL, BIOMED CENTRAL, LONDON, GB, vol. 5, no. 1, 5 March 2008 (2008-03-05), page 39, XP021038341 ISSN: 1743-422X the whole document</p>	1,3,4,6, 19,20
P,A	<p>FOLOPPE J ET AL: "Targeted delivery of a suicide gene to human colorectal tumors by a conditionally replicating vaccinia virus" GENE THERAPY, vol. 15, no. 20, 15 May 2008 (2008-05-15), pages 1361-1371, XP002524704 ISSN: 0969-7128</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1367128	A	03-12-2003	NONE