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(54) Title: ENZYME MEDIATED DELIVERY SYSTEM

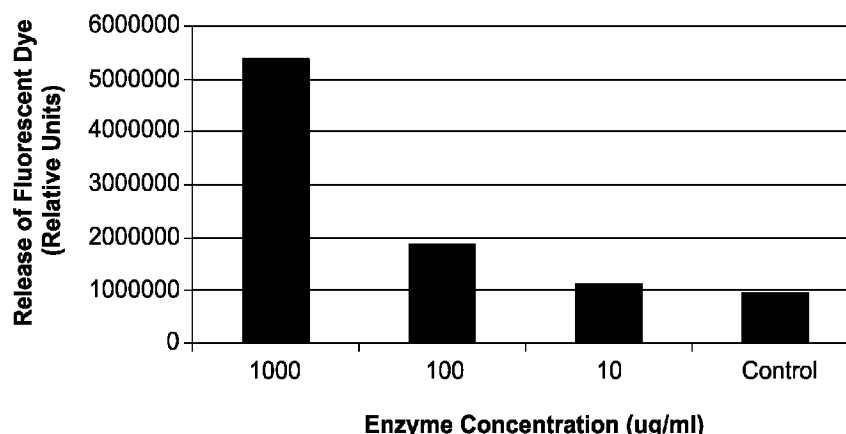


FIG. 1

(57) Abstract: The present invention includes compositions, methods, and systems for the development of a novel delivery vehicle that affects release of an agent upon the degradation of components of said vehicle by one or more enzymes. In one example, the system comprises components designed to degrade upon the presence of desired concentrations of proteinases, specifically matrix metalloproteinases, and subsequent release of the agent.

A. CLASSIFICATION OF SUBJECT MATTER*A61K 38/48(2006.01)i, A61K 38/39(2006.01)i, A61K 9/06(2006.01)i, A61K 9/48(2006.01)i*

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)

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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 practicable, search terms used)
eKOMPASS(KIPO internal)**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TAURO, J.R. ET AL., "MATRIX METALLOPROTEASE TRIGGERED DELIVERY OF CANCER CHEMOTHERAPEUTICS FROM HYDROGEL MATRIXES", BIOCONJUGATE CHEMISTRY, 2005, Vol. 16, pages 1133-1139. see figures 1, 4, 6; experimental procedures(preparation and characterization of hydrogels).	1-41
X	US 2005/0119762 A1 (ZILLA, P. ET AL.) 02 June 2005 see abstract; claims 3, 5, 9, 15, 16; [0055]-[0057]; [0076]-[0078]	1-41
X	SARKAR, N. ET AL., "MATRIX METALLOPROTEINASE-ASSISTED TRIGGERED RELEASE OF LIPOSOMAL CONTENTS", BIOCONJUGATE CHEMISTRY, PUBLISHED ON WEB 14 DECEMBER 2007, Vol. 19, pages 57-64. see experimental procedures(liposomal formulation); fig.4	1-41
A	US 2006/0269590 A1 (TROTTER, P. ET AL.) 30 November 2006 see the whole document.	1-41
A	US 2004/0116348 A1 (CHAU, Y. ET AL.) 17 June 2004 see the whole document.	1-41
A	US 2007/0041904 A1 (JIANG, T. ET AL.) 22 February 2007 see the whole document.	1-41



Further documents are listed in the continuation of Box C.



See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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