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(54) Title: COMPOSITIONS AND METHODS FOR INHIBITING LIGHT-INDUCED INACTIVATION OF BIOLOGICAL REAGENTS

(57) Abstract

Disclosed is a fluorescent conjugate comprising a biological reagent, a fluorescent molecule, and a means for impeding phototoxic degradation of the biological reagent. The impeding means can be a cross-linking substance having a long molecular distance, whereby the cross-linking substance links the fluorescent molecule and the biological reagent; a quencher of singlet oxygen; a quencher of a free radical; or a combination thereof. Also disclosed is a solution comprising a fluorescent conjugate of a biological reagent and a fluorescent molecule together with an oxygen depleting system.

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INTERNATIONAL SEARCH REPORT

Interr. nal Application No
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A. CLASSIFICATION OF SUBJECT MATTER
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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 6 G01N

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.
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Y	see claims	11-13,21

X	WO 91 18006 A (DIATRON CORPORATION) 28 November 1991	1,2,7,8, 10, 14-16, 18-20
	see page 15, line 16 - page 16, line 31; claims 1,23-48	

X	WO 92 18868 A (BIOSITE DIAGNOSTICS INCORPORATED) 29 October 1992	1
Y	see page 12, line 4 - page 13, line 2; claim 5; examples 1,6	21

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

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA	Authorized officer
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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