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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
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ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: STABLE PH OPTIMIZED FORMULATION OF A MODIFIED ANTIBODY

(57) Abstract: The present invention is directed to stable formulations of modified antibodies, each comprising an antibody frag-
ment in an aqueous solution covalently attached to at least one nonproteinaceous polymer, such as @>IC(ethyleneglycol), through
0 succinimide moiety. CDP870 is an example of one such modified antibody. The formulations of the present invention include 0
buffer that maintains the solution at 0 pH of 3.5 to about 6, wherein all components of the modified antibody, including 0 succinimide
ring of the succinimide moiety, are stable.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/24414

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 39/395, 47/48

US CL : 424/130.1, 134.1, 141.1, 145.1, 178.1

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)

U.S. : 424/130.1, 134.1, 141.1, 145.1, 178.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	WO 01/94585 A1 (CELLTECH R & D LIMITED) 13 December 2001 (13.12.2001), see entire document, including page 10, paragraph 1; page 11, paragraph 8; page 34-46.	1-15

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

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