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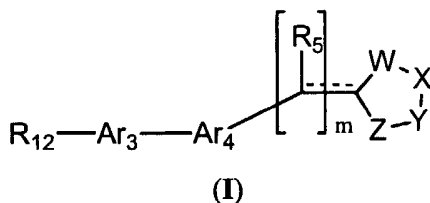
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
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European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR,
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16 October 2003For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.(54) Title: HETEROCYCLIC DERIVATIVES FOR THE TREATMENT OF CANCER AND OTHER PROLIFERATIVE DIS-
EASESalkyl; (f) ----- represents a bond present or absent; and (g) W, X, Y and Z are independently or together -C(O)-, C(S), S, O, or NH;
or a pharmaceutically acceptable salt thereof.(57) Abstract: The invention relates to certain heterocyclic com-
pounds useful for the treatment of cancer and other diseases, hav-
ing the formula (1): wherein (a) m is an integer 0 or 1; (b) R₁₂ is an
alkyl, a substituted alkyl, a cycloalkyl, a substituted cycloalkyl, a
heterocyclic, a substituted heterocyclic, a heteroaryl, a substituted
heteroaryl, an aryl or a substituted aryl residue; (c) Ar₃ is an aryl, a
substituted aryl, a heteroaryl or a substituted heteroaryl residue; (d)
Ar₄ is an aryl, a substituted aryl, a heteroaryl or a substituted het-
eroaryl residue; (e) R₅ is hydrogen, hydroxy, alkyl or substituted

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/07001

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A01N 43/56; A61K 31/415

US CL : 514/247, 252, 341, 365, 372, 374, 378, 399, 400, 403, 406, 407

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. : 514/247, 252, 341, 365, 372, 374, 378, 399, 400, 403, 406, 407

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)
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	US 5,972,986 A (SEIBERT et al) 26 October 1999 (26.10.1999), column 2, lines 45-65, column 3, line 34 to column 9, line 60.	1, 4, 6-21, 23-43

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.*** Special categories of cited documents:**

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

APS, Medline, Biosis, Scisearch
structure search in APS and MARPAT database.