Abstract:

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Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv))

Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

Date of publication of the international search report: 14 June 2007

For two-letter codes and other abbreviations, refer to the "Guide Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Title: DOMINANT NEGATIVE MUTANT KRP PROTEIN PROTECTION OF ACTIVE CYCLIN-CDK COMPLEX INHIBITION BY WILD-TYPE KRP

Abstract: Disclosed are mutant CDK inhibitor (CKI) polypeptides having dominant negative antagonist activity against wild-type CKI proteins, as well as related compositions, including nucleic acids and vectors encoding the mutant CKI polypeptides and transformed host cells and transgenic plants comprising such nucleic acids and vectors. Also disclosed are related methods for using the mutant proteins to modulate cell division in cells, particularly plant cells.
INTERNATIONAL SEARCH REPORT

International application No. PCT/US 06/29349

A. CLASSIFICATION OF SUBJECT MATTER
   IPC(8) - A01 H 1/00, 5/00; C12N 15/82 (2007.01)
   USPC - 800/290

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) USPC - 800/290

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 800/278, 298; 435/320.1, 419, 468; 536/23.6

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

PubWest (GB-PGBP; USPT USOC EPAB UPAB)
A01H 1/00, 5/00; C12N 15/82 (2007.01); 800/278, 298, 435/320.1, 419, 468; 536/23.6
Google Scholar - H.Wang, Hemflby, KIP, KRP

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category*</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>US 6,710,227 B2 (INZE et al) 3 Mar 2004 (23.03.2004), col 27, line 7 to col 28, line 6</td>
<td>113-116</td>
</tr>
<tr>
<td>X</td>
<td>US 6,559,358 B1 (MURRAY) 6 May 2003 (06.05.2003)</td>
<td>1-4, 43-48, 78-82, 113-116</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

Date of the actual completion of the international search: 28 February 2007 (28.02.2007)

Date of mailing of the international search report: 20 April 2007

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22313-1450
Facsimile No. 571-273-3201

Authorized officer: Lea W. Young

PCT Helpdesk: 571-272-4300
PCT DASP: 571-272-7774

Form PCT/ISA/210 (second sheet) (April 2005)
# INTERNATIONAL SEARCH REPORT

**International application No.**  
**PCT/US 06/29349**

## Box No. II  Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. **Claims Nos.:**  
   - because they relate to subject matter not required to be searched by this Authority, namely:

2. **Claims Nos.:** 5-32, 49-77, 83-105  
   - because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
   - The claims lack the required sequence identifiers as required in Annex C of the AI.

3. **Claims Nos.:** 23-42, 61-77, 98-112  
   - because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III  Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. **As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.**

2. **As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.**

3. **As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:**

4. **No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:**

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**Remark on Protest**

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.