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MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
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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: A CONCENTRATED, WATER-SOLUBLE, GRANULAR PLANT GROWTH REGULATOR FORMULATION AND METHODS FOR USE OF SAME

(57) Abstract: A water-soluble granular composition including at least 40% of at least one plant growth regulator, at least one binder, at least one disaccharide and at least one surfactant; as well as methods for making and using the composition are disclosed. The water-soluble granular composition advantageously improves preparation of a solid plant growth regulator formulation for spray application, as such composition swiftly dissolves, is easily metered for application, can be more highly concentrated and is dust-free. A presently preferred water-soluble granular composition includes at least 40% of at least one gibberellin as the plant growth regulator.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/11180

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : Please See Extra Sheet.

US CL : Please See Extra Sheet.

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. : 504/153, 154, 155, 156, 157, 158, 159, 160, 161; 524/9, 18, 28, 56

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 Extra Sheet.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,693,592 A (ILLINGWORTH) 02 December 1997.	1-26
A	US 5,622,658 A (LLOYD et al) 22 April 1997.	1-26
A	US 5,292,533 A (MCMAHON et al) 08 March 1994.	1-26
A	US 4,563,212 A (BECHER et al) 07 January 1986.	1-26

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier document published on or after the international filing date	"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
"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)	"&" document member of the same patent family
"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	

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/11180

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international 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.:
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:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 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 an additional fee, this Authority did not invite payment of any additional fee.
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.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

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US CL :

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B. FIELDS SEARCHED

Electronic data bases consulted (Name of data base and where practicable terms used):

BRSL110139plant WITH growth with (regulat\$4 or control\$3)USPAT; US-PGPUB2002/09/10 13:030

BRSL271670524/\$4.ccls.USPAT; US-PGPUB2002/09/10 13:040

BRSL3581 and 2USPAT; US-PGPUB2002/09/10 13:180

BRSL4270disaccharide or polysaccharideUSPAT; US-PGPUB2002/09/10 13:180

BRSL538288disaccharide or polysaccharideUSPAT; US-PGPUB2002/09/10 13:190

BRSL66151 and 5USPAT; US-PGPUB2002/09/10 13:190

BRSL793 and 6USPAT; US-PGPUB2002/09/10 13:19