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- (71) Applicant (for all designated States except US): **DOW AGROSCIENCES LLC** [US/US]; 9330 Zionsville Road, Indianapolis, IN 46268-1054 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **YOUNG, David, Hamilton** [US/US]; 5263 Navajo Way, Carmel, IN 46033 (US). **ROSS, Ronald** [US/US]; 445 West Hawthorne Street, Zionsville, IN 46077 (US). **SLAWECKI, Richard, A.** [US/US]; 536 Spencer Land, Warminster, PA 18974 (US).
- (74) Agent: **CORVIN, Carl, D.**; Dow AgroSciences LLC, 9330 Zionsville Road, Indianapolis, IN 46268 (US).
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(54) Title: PROCESS FOR SCREENING FUNGITOXIC COMPOUNDS

(57) Abstract: Methods for identifying fungitoxic compounds are disclosed based on inhibition of the enzyme  $\Delta$ -9 fatty acid desaturase.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/19158

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A01N 43/58, 37/02  
 US CL : 514/247, 248, 252.01, 552, 558

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, 248, 252.01, 552, 558

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)  
 EAST: fungicide, antifungal, pyridazinone, delta-9 fatty acid desaturase enzyme, plants

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/0016305 A1 (AHLQUIST et al.) 07 February 2002 (07.02.02), see entire document.	1-12, 19-20
X	US 5,741,793 A (YOUNG et al.) 21 April 1998 (21.04.98), see entire document, especially column 1, lines 8-43, column 3, lines 11-55; column 5, lines 5-23; column 6, lines 1-4; column 7, lines 4-10; Example 1; claims 1-15.	13-18

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	"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
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"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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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. (703)305-3230	Authorized officer Cybille Delacroix-Muirheid Telephone No. 703-308-1235
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