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(54) Title: FORMULATION

(57) Abstract: A formulation comprising an active component, a microcapsule and a dye, which protects the active component from degradation by U. V light. Such formulations can be used in a variety of applications including agrochemical applications, which are also described and claimed.

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# INTERNATIONAL SEARCH REPORT

International application No  
PCT/GB2006/000157

**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. A01N35/06 A01N55/00 A01N25/28 A01N59/16 B01J13/02  
 A61K9/00 A01N25/22 A61K9/50  
 ADD. A01N25/32 A01P7/00 A01P13/02  
 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)  
 A01N B01J A61K

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 practical, search terms used)  
 EPO-Internal, WPI Data, PAJ, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 89/04170 A (LIM TECHNOLOGY LABORATORIES, INC) 18 May 1989 (1989-05-18)  page 5, line 33 - page 6, line 7 page 6, line 27 - page 8, line 9 page 10, line 1 - line 33 page 14, line 15 - line 18	1-4, 8, 9, 14, 15, 21-24, 28, 29, 34, 35, 41-45, 48, 50, 55-59
Y	----- -/--	10-13, 16-18, 30-33, 36-38, 47

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

\* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"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</p> <p>"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.</p> <p>"&amp;" document member of the same patent family</p>
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Date of the actual completion of the international search  <b>27 June 2006</b>	Date of mailing of the international search report  <b>25. 09. 2006</b>
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <b>Lamers, Wolfram</b>
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## INTERNATIONAL SEARCH REPORT

International application No  
PCT/GB2006/000157

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95/23506 A (BEN GURION UNIVERSITY OF THE NEGEV RESEARCH AND DE; COHEN, A., DAVID;) 8 September 1995 (1995-09-08)	1-4,8,9, 14,15, 21-24, 28,29, 34,35, 41-45, 48,50, 55-59
Y	page 1, line 6 - line 13 page 2, line 30 - page 4, line 21 example 7	10-13, 16-18, 30-33, 36-38,47
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Y	column 1, line 7 - line 9 column 7, line 3 - line 29 column 7, line 60 - column 8, line 43 example 4	10-13, 16-18, 30-33, 36-38,47
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## INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2006/000157

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 076 428 A (TANABE SEIYAKU CO., LTD) 13 April 1983 (1983-04-13) page 1, line 12 - page 3, line 1 page 3, line 16 - page 5, line 21 page 8, line 3 - line 6 page 8, line 9 - line 15 page 11, line 5 - page 12, line 2 page 12, line 13 - line 15 page 13, line 17 - line 23 page 14, line 6 - line 13 page 14, line 20 - line 26	16-18, 36-38
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A	US 5 804 298 A (MOY ET AL) 8 September 1998 (1998-09-08) column 1, line 9 - line 14 column 3, line 65 - line 36 table 1 example 14	1-50, 53-59
A	G.J.DEVINE: "Communication to the Editor: METI-acaricide resistance in Tetranychus urticae does not confer resistance to the naphthoquinones" PEST MANAGEMENT SCIENCE, vol. 57, 2001, pages 749-750, XP002386955 cited in the application table 1	1-50, 53-59
A	WO 96/33611 A (ZENECA LIMITED) 31 October 1996 (1996-10-31) page 2, paragraph 1 - page 10	1-50, 53-59

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2006/000157

## Box 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.:  
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 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:

see additional sheet

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.:  
1-50, 55-58 ( complete ) ;53,54, 59 ( in part )

Remark on Protest

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

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-50, 55-58 (complete); 53, 54, 59 (in part)

The use of a dye for the protection of an active component contained within a microcapsule from U.V. degradation,

- uses as described in claims 2-20, 53, 54
- formulations as described in claims 21-40, 50, 56, 57
- a microcapsule as described in claim 41, 58
- a reagent device as described in claim 42,
- methods as described in claims 43-49, 55,
- uses as described in claims 53, 54 (in part),
- method as described in claim 59 (in part).

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2. claims: 51, 52 (complete); 53, 54, 59 (in part)

A method for killing or controlling plants by application of titanium dioxide particles, and particularly silica coated titanium dioxide particles thereto;

- a herbicidal composition as described in claim 52;
- uses as described in claims 53, 54 (in part)
- a method as described in claim 59 (in part).

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2006/000157

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Information on patent family members

International application No PCT/GB2006/000157
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