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

(54) Title: TOPICAL INSECTICIDE

(57) Abstract: A topical insecticide is provided which can be safe to use and avoids many common deleterious side effects of conventional topical insecticides. In one preferred embodiment of the invention, the active ingredient of the insecticide formulation is an amine derivative, having a nitro-methylene group, a nitroamino group or a cyanoamino group, which can be formulated to have low toxicity and excellent insecticidal activity. One particularly suitable insecticide is 1-{(tetrahydro-3-furanyl)methyl}-2-nitro-3-methylguanidine (dinotefuran), an aldulticide that will kill adult fleas, dissolved in a solvent such as ethanol and/or DPM.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US03/28945

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **A01N 25/00**(2006.01)

USPC: 119/651;424/405

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. : 119/651,652,656,660,670,673,677; 514/471; 424/405,401,402,403,404,406

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)
EAST BRS search terms: insecticid$4, dinotefuran, methylamine, ethanol, DPN, monmethylether, dipropyleneglycol

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,532,365 A (KODAKA et al.) 02 July 1996 (02.07.1996), columns 16-18).	1-3,21-23 --- 4-20
X --- Y	EP 0979 606 A1 (SEMBO et al.) 16 February 2000 (16.02.2000), see entire document.	1,2,3,16 --- 4-15,17-23

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

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"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

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