

Title (en)  
FORMULATIONS OF ENTOMOPATHOGENIC FUNGI FOR USE AS BIOLOGICAL INSECTICIDES

Title (de)  
FORMULIERUNG BESTEHEND AUS ENTOMOPATHOGENEN PILZEN ZUR VERWENDUNG ALS BIOLOGISCHE INSEKTIZIDE

Title (fr)  
FORMULATIONS DE CHAMPIGNONS ENTOMOPATHOGENES DESTINEES A ETRE UTILISEES COMME INSECTICIDES BIOLOGIQUES

Publication  
**EP 0738317 A4 19980909 (EN)**

Application  
**EP 94931342 A 19941012**

Priority  
• US 9411542 W 19941012  
• US 13456393 A 19931012

Abstract (en)  
[origin: WO9510597A1] Entomopathogenic formulations that include conidia of an entomopathogenic fungus and a carrier are described. Carriers include oils, emulsions, and suspensions. Methods of killing insects such as grasshoppers using the aforementioned formulations are also described.

IPC 1-7  
**C12N 1/14**; **A01N 63/00**; **A01N 63/04**

IPC 8 full level  
**C12N 1/14** (2006.01); **A01N 25/04** (2006.01); **A01N 25/06** (2006.01); **A01N 25/08** (2006.01); **A01N 61/02** (2006.01); **A01N 63/30** (2020.01)

CPC (source: EP US)  
**A01N 63/30** (2020.01 - EP US)

Citation (search report)  
• [X] GB 2255018 A 19921028 - C A B INTERNATIONAL [GB]  
• [X] D. L. JOHNSON, M. S. GOETTE, C. BRADLEY, H. VAN DER PAAUW & B. MAIGA: "Field trials with the entomopathogenic fungus *Beauveria bassiana* against grasshoppers in Mali, West Africa, July, 1990.", BIOLOGICAL CONTROL OF LOCUSTS AND GRASSHOPPERS: PROCEEDINGS OF A WORKSHOP HELD AT THE IITA, COTONOU, BENIN (C. J. LOMER & C. PRIOR, EDS.), 1992, CAB INTERNATIONAL, WALLINGFORD, pages 296 - 310, XP002070278  
• [X] C. PRIOR, C. J. LOMER, H. HERREN, A. PARAISO, C. KOOYMAN & J. J. SMIT: "The IIBC/IITA/DFPV collaborative research programme on the biological control of locusts and grasshoppers.", BIOLOGICAL CONTROL OF LOCUSTS AND GRASSHOPPERS. PROCEEDINGS OF A WORKSHOP HELD AT THE IITA, COTONOU, BENIN (C. J. LOMER & C. PRIOR, EDS.), 1992, CAB INTERNATIONAL, WALLINGFORD, pages 8 - 18, XP002070279  
• [X] G. D. INGLIS, M. S. GOETTEL & D. L. JOHNSON: "Persistence of the entomopathogenic fungus, *Beauveria bassiana*, on phylloplanes of crested wheatgrass and alfalfa.", BIOLOGICAL CONTROL, vol. 3, no. 4, 1993, pages 258 - 270, XP002070280  
• [X] T. E. STATHERS, D. MOORE & C. PRIOR: "The effect of different temperatures on the viability of *Metarhizium flavoviride* conidia stored in vegetable and mineral oils.", J. INVERT. PATHOL., vol. 62, no. 2, September 1993 (1993-09-01), pages 111 - 115, XP002070281  
• See references of WO 9510597A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9510597 A1 19950420**; AU 8015594 A 19950504; CA 2173953 A1 19950420; EP 0738317 A1 19961023; EP 0738317 A4 19980909; JP H09506592 A 19970630; MX 9407876 A 19970228

DOCDB simple family (application)  
**US 9411542 W 19941012**; AU 8015594 A 19941012; CA 2173953 A 19941012; EP 94931342 A 19941012; JP 51200495 A 19941012; MX 9407876 A 19941011