

Title (en)
INSECTICIDAL TOXINS FROM PHOTORHABDUS

Title (de)
TOXINE MIT INSEKTIZIDER WIRKUNG AUS PHOTORHABDUS

Title (fr)
TOXINES INSECTICIDES DE PHOTORHABDUS

Publication
EP 1054972 A2 20001129 (EN)

Application
EP 99911676 A 19990218

Priority
• EP 9901015 W 19990218
• US 2708098 A 19980220
• US 11643999 P 19990120

Abstract (en)
[origin: WO9942589A2] Novel nucleic acid sequences isolated from Photorhabdus luminescens, whose expression results in novel insecticidal toxins, are disclosed herein. The invention also discloses compositions and formulations containing the insecticidal toxins that are capable of controlling insect pests. The invention is further drawn to methods of making the toxins and to methods of using the nucleotide sequences, for example in microorganisms to control insect pests or in transgenic plants to confer insect resistance.

IPC 1-7
C12N 15/31; **C12N 15/82**; **C12N 15/10**; **C12N 1/21**; **C12N 5/10**; **A01H 5/00**; **C07K 14/24**; **A01N 63/02**

IPC 8 full level
A01H 5/00 (2006.01); **A01N 63/50** (2020.01); **C07K 14/24** (2006.01); **C12N 1/15** (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 15/09** (2006.01); **C12N 15/31** (2006.01); **C12N 15/82** (2006.01); **C12P 21/02** (2006.01)

CPC (source: EP US)
A01N 63/50 (2020.01 - EP US); **C07K 14/24** (2013.01 - EP US); **C12N 15/8286** (2013.01 - EP); **Y02A 40/146** (2018.01 - EP)

C-Set (source: EP US)
A01N 63/50 + **A01N 63/20**

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

DOCDB simple family (publication)
WO 9942589 A2 19990826; **WO 9942589 A3 19991223**; CA 2320801 A1 19990826; EP 1054972 A2 20001129; JP 2002504336 A 20020212

DOCDB simple family (application)
EP 9901015 W 19990218; CA 2320801 A 19990218; EP 99911676 A 19990218; JP 2000532529 A 19990218