

Title (en)

INSECT CONTROL GENE DSF AND METHODS OF USE

Title (de)

DAS INSEKTEN-KONTROLLGEN DSF UND VERFAHREN FÜR SEINE VERWENDUNG.

Title (fr)

GENE ANTI-INSECTES DSF ET PROCEDES D'UTILISATION

Publication

EP 1080191 A1 20010307 (EN)

Application

EP 99925687 A 19990518

Priority

- US 9911083 W 19990518
- US 8587798 A 19980518

Abstract (en)

[origin: WO9960114A1] Present invention is based on the discovery and isolation of the dissatisfaction (DSF) gene and its protein product. An isolated polynucleotide encoding DSF, substantially pure DSF polypeptide, and an antibody that binds to DSF polypeptide are provided. Also provided are: a DNA construct that comprises a disrupted DSF gene which can prevent functional DSF expression, a transgenic insect having a transgene disrupting DSF expression, a method of producing transgenic insect comprising DSF gene, and a method of identifying a compound that affects the activity of a DSF polypeptide.

IPC 1-7

C12N 15/11; **C12N 15/63**; **C12N 15/85**; **C12N 15/86**; **C07K 14/00**; **C07K 16/00**

IPC 8 full level

A01K 67/033 (2006.01); **C07K 14/435** (2006.01)

CPC (source: EP)

A01K 67/0339 (2013.01); **C07K 14/43581** (2013.01); **A01K 2217/05** (2013.01); **A01K 2217/075** (2013.01); **C07K 2319/00** (2013.01)

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 9960114 A1 19991125; AU 4192599 A 19991206; CA 2328386 A1 19991125; EP 1080191 A1 20010307; EP 1080191 A4 20020502

DOCDB simple family (application)

US 9911083 W 19990518; AU 4192599 A 19990518; CA 2328386 A 19990518; EP 99925687 A 19990518