

Title (en)

METHODS FOR THE IDENTIFICATION OF INHIBITORS OF BIOTIM SYNTHASE EXPRESSION OR ACTIVITY IN PLANTS

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG VON INHIBITOREN DER EXPRESSION ODER AKTIVITÄT VON BIOTIMSYNTHASE IN PFLANZEN

Title (fr)

METHODES PERMETTANT D'IDENTIFIER LES INHIBITEURS DE L'EXPRESSION OU DE L'ACTIVITE DE LA BIOTINE SYNTHASE CHEZ LES PLANTES

Publication

**EP 1386008 A1 20040204 (EN)**

Application

**EP 02769381 A 20020507**

Priority

- US 0214473 W 20020507
- US 28931201 P 20010507

Abstract (en)

[origin: WO02090596A1] The present inventors have discovered that Biotim synthase (BS) is essential for plant growth. Specifically, inhibition of BS gene expression in plant seedlings results in severe chlorosis and reduced growth. Thus, BS can be used as a target for the identification of herbicides. Accordingly, the present invention provides methods for the identification of compounds that inhibit BS expression or activity, and as such, the methods of the invention are useful for the identification of herbicides.

IPC 1-7

**C12Q 1/68**

IPC 8 full level

**C12Q 1/25** (2006.01); **C12Q 1/68** (2006.01); **C12Q 1/6895** (2018.01)

CPC (source: EP)

**C12Q 1/25** (2013.01); **C12Q 1/6895** (2013.01); **C12Q 2600/158** (2013.01); **G01N 2333/9015** (2013.01); **G01N 2430/20** (2013.01); **G01N 2500/04** (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 TR

DOCDB simple family (publication)

**WO 02090596 A1 20021114**; EP 1386008 A1 20040204; EP 1386008 A4 20050119

DOCDB simple family (application)

**US 0214473 W 20020507**; EP 02769381 A 20020507