

Title (en)

CARBON AND NITROGEN-REGULATING GENE AND PROTEIN AND MODULATION THEREOF

Title (de)

KOHLENSTOFF UND STICKSTOFF REGULIERENDES GEN UND PROTEIN SOWIE MODULATION DAVON

Title (fr)

GENE ET PROTEINE DE REGULATION DU CARBONE ET DE L'AZOTE ET MODULATION DE CEUX-CI

Publication

EP 2144996 A1 20100120 (EN)

Application

EP 08733744 A 20080416

Priority

- CA 2008000688 W 20080416
- CA 2584934 A 20070417

Abstract (en)

[origin: CA2584934A1] The present invention relates to a nitrogen-regulated GATA transcription factor gene required for sugar sensing and the modulation of the expression of this gene to modulate a characteristic in a plant. The GATA transcription factor of the present invention is involved in regulating sugar sensing in plants and its expression is influenced by nitrogen status. Increased expression of this or substantially similar genes can produce plants with improved nitrogen utilization and increased yield.

IPC 8 full level

G01N 33/68 (2006.01); **C12N 15/82** (2006.01); **G01N 33/50** (2006.01)

CPC (source: EP)

C12N 15/8238 (2013.01); **G01N 33/5097** (2013.01); **G01N 33/6872** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

CA 2584934 A1 20081017; AR 066094 A1 20090722; BR PI0810652 A2 20141007; CL 2008001097 A1 20080822; CN 101688180 A 20100331; CN 104726464 A 20150624; EP 2144996 A1 20100120; EP 2144996 A4 20100609; MX 2009011184 A 20091102; WO 2008124933 A1 20081023; ZA 200907097 B 20160831

DOCDB simple family (application)

CA 2584934 A 20070417; AR P080101583 A 20080417; BR PI0810652 A 20080416; CA 2008000688 W 20080416; CL 2008001097 A 20080417; CN 200880018512 A 20080416; CN 201510092990 A 20080416; EP 08733744 A 20080416; MX 2009011184 A 20080416; ZA 200907097 A 20091012