

Title (en)
USE OF SUCCINATE DEHYDROGENASE INHIBITORS FOR INCREASING THE RESISTANCE OF PLANTS OR PARTS OF PLANTS TO ABIOTIC STRESS

Title (de)
VERWENDUNG VON SUCCINAT DEHYDROGENASE INHIBITOREN ZUR STEIGERUNG DER RESISTENZ VON PFLANZEN ODER PFLANZENTEILEN GEGENÜBER ABIOTISCHEM STRESS

Title (fr)
UTILISATION D'INHIBITEURS DE SUCCINATE DÉSHYDROGÉNASE POUR AUGMENTER LA RÉSISTANCE DE PLANTES OU DE PARTIES DE PLANTES CONTRE LE STRESS ABIOTIQUE

Publication
EP 2434893 A2 20120404 (DE)

Application
EP 10721124 A 20100518

Priority
• EP 2010003026 W 20100518
• EP 09161236 A 20090527
• EP 10721124 A 20100518

Abstract (en)
[origin: EP2255626A1] Use of a succinate dehydrogenase inhibitor for increasing resistance of a plant against abiotic stress factors, is claimed. ACTIVITY : Plant Protectant. The plant protectant activity of the inhibitor was tested on Brassica napus, which was grown on a sandy clay under greenhouse conditions for 2-3 weeks. The plants were treated with bixafen by spraying at 250 g/hectare, and exposed to drought stress condition by heating a test chamber at 26[deg] C/18[deg] C during day/night respectively and then the chamber was brought back to normal temperature after one week, and the plants were allowed for a recovery period of 7 days. The result showed that the plants treated with bixafen exhibited a high tolerance against the drought stress condition with the efficiency of up to 15%. MECHANISM OF ACTION : Succinate dehydrogenase inhibitor.

IPC 8 full level
A01N 43/40 (2006.01); **A01N 43/56** (2006.01)

CPC (source: EP US)
A01N 43/40 (2013.01 - EP US); **A01N 43/56** (2013.01 - EP US); **A01N 45/02** (2013.01 - EP US)

Citation (search report)
See references of WO 2010136139A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2255626 A1 20101201; AR 076558 A1 20110622; AU 2010252340 A1 20111215; AU 2010252340 B2 20150312; BR PI1012773 A2 20150915; CA 2763396 A1 20101202; CL 2011002988 A1 20120615; CN 102448307 A 20120509; CN 102448307 B 20141126; EA 201190314 A1 20120530; EP 2434893 A2 20120404; IL 216259 A0 20120131; NZ 596650 A 20140627; UA 108613 C2 20150525; US 2010324101 A1 20101223; WO 2010136139 A2 20101202; WO 2010136139 A3 20110630; ZA 201108610 B 20130130

DOCDB simple family (application)
EP 09161236 A 20090527; AR P100101594 A 20100510; AU 2010252340 A 20100518; BR PI1012773 A 20100518; CA 2763396 A 20100518; CL 2011002988 A 20111125; CN 201080023386 A 20100518; EA 201190314 A 20100518; EP 10721124 A 20100518; EP 2010003026 W 20100518; IL 21625911 A 20111110; NZ 59665010 A 20100518; UA A201115304 A 20100518; US 78666310 A 20100525; ZA 201108610 A 20111123