

Title (en)
SUBSTITUTED CYANO-CYCLOALKYLPENTA-2,4-DIENES, CYANO-CYCLOALKYLPENT-2-EN-4-YNES, CYANO-HETEROCYCLYL PENTA-2,4-DIENES AND CYANO-HETEROCYCLYL PENT-2-EN-4-YNES AS AGENTS TO COMBAT ABIOTIC PLANT STRESS

Title (de)
SUBSTITUIERTE CYANO-CYCLOALKYLPENTA-2,4-DIENE, CYANO-CYCLOALKYLPENT-2-EN-4-INE, CYANO-HETEROCYCLYL PENTA-2,4-DIENE UND CYANO-HETEROCYCLYL PENT-2-EN-4-INE ALS WIRKSTOFFE GEGEN ABIOTISCHEN PFLANZENSTRESS

Title (fr)
CYANO-CYCLOALKYLPENTA-2,4-DIÈNES, CYANO-CYCLOALKYLPENT-2-ÉN-4-YNE, CYANO-HÉTÉROCYCLYL PENTA-2,4-DIÈNES ET CYANO-HÉTÉROCYCLYL PENT-2-ÉN-4-YNE SUBSTITUÉS EN TANT QU'AGENTS ACTIFS CONTRE LE STRESS ABIOTIQUE DES PLANTES

Publication
EP 3172187 A1 20170531 (DE)

Application
EP 15738663 A 20150717

Priority
• EP 14177917 A 20140722
• EP 2015066402 W 20150717

Abstract (en)
[origin: WO2016012362A1] The invention relates to cyano cycloalkyl penta-2,4-dienes, cyano cycloalkyl pent-2-en-4-ynes, cyano heterocyclyl penta-2,4-dienes and cyano heterocyclyl pent-2-en-4-ynes of general formula (I), or the salts thereof, where [X-Y], Q, R1, R2, A1, A2, V, W, m and n have the definitions specified in the description. The invention also relates to a production method for same and to the use of same for increasing stress tolerance in plants against abiotic stress, and/or for increasing the plant yield.

IPC 8 full level
C07C 255/46 (2006.01); **A01N 37/34** (2006.01); **A01N 43/04** (2006.01); **A01N 43/36** (2006.01); **A01N 43/40** (2006.01); **C07D 207/16** (2006.01); **C07D 211/60** (2006.01); **C07D 305/08** (2006.01); **C07F 7/18** (2006.01); **C07F 7/22** (2006.01)

CPC (source: EP US)
A01N 37/34 (2013.01 - EP US); **A01N 41/12** (2013.01 - US); **A01N 43/04** (2013.01 - EP US); **A01N 43/20** (2013.01 - US); **A01N 43/36** (2013.01 - EP US); **A01N 43/40** (2013.01 - EP US); **A01N 43/54** (2013.01 - US); **A01N 43/84** (2013.01 - US); **A01N 53/00** (2013.01 - US); **A01N 55/04** (2013.01 - US); **C07C 255/46** (2013.01 - EP US); **C07C 381/10** (2013.01 - US); **C07D 207/16** (2013.01 - EP US); **C07D 211/60** (2013.01 - EP US); **C07D 213/40** (2013.01 - EP US); **C07D 239/26** (2013.01 - EP US); **C07D 265/30** (2013.01 - EP US); **C07D 279/12** (2013.01 - EP US); **C07D 305/08** (2013.01 - EP US); **C07F 5/025** (2013.01 - EP US); **C07F 7/00** (2013.01 - EP US); **C07F 7/1804** (2013.01 - EP US); **C07F 7/2208** (2013.01 - EP US); **C07F 7/30** (2013.01 - EP US); **C07C 2601/02** (2017.04 - EP US); **C07C 2601/04** (2017.04 - EP US); **C07C 2601/08** (2017.04 - EP US); **C07C 2601/14** (2017.04 - EP US); **C07C 2603/74** (2017.04 - EP US)

Citation (search report)
See references of WO 2016012362A1

Citation (examination)
WO 2016008862 A1 20160121 - BAYER CROPS SCIENCE AG [DE]

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2016012362 A1 20160128; AR 101214 A1 20161130; AU 2015294110 A1 20170202; AU 2015294110 B2 20191121; BR 112017001144 A2 20180130; CA 2955798 A1 20160128; EP 3172187 A1 20170531; JP 2017528432 A 20170928; TW 201617311 A 20160516; US 10322995 B2 20190618; US 2017210701 A1 20170727

DOCDB simple family (application)
EP 2015066402 W 20150717; AR P150102254 A 20150715; AU 2015294110 A 20150717; BR 112017001144 A 20150717; CA 2955798 A 20150717; EP 15738663 A 20150717; JP 2017503161 A 20150717; TW 104123312 A 20150717; US 201515327714 A 20150717