

Title (en)

MICRO-ORGANISM INOCULUM, METHOD AND COMPOSITIONS

Title (de)

MIKROORGANISMEN-INOCULUM, VERFAHREN UND ZUSAMMENSETZUNGEN

Title (fr)

INOCULUM DE MICRO-ORGANISME, PROCÉDÉ ET COMPOSITIONS

Publication

EP 2176196 A4 20101208 (EN)

Application

EP 08799583 A 20080708

Priority

- ZA 2008000060 W 20080708
- ZA 200705600 A 20070709

Abstract (en)

[origin: WO2009009805A1] A method of producing endomycorrhiza inoculum involves cultivating endomycorrhiza spores on roots of a host plant in a growing medium and sequences of steps to separate the spores and producing a spore concentrate on a carrier of exceptionally high spore count, excellent dispersibility and optionally satisfying "organic" labelling requirements. The spore concentrate, optionally combined with growth-enhancing bacterial or fungal concentrates or metabolites, can be used as such or when converted into a variety of commercial products such as light weight granular forms for addition to the soil, or additives to irrigation water or compositions for seed impregnation in order to enhance plant growth and being antagonistic against pathogens and nematodes in agriculture, horticulture and forestry.

IPC 8 full level

A01H 17/00 (2006.01); **C05F 11/08** (2006.01); **C05G 5/27** (2020.01); **C05G 5/30** (2020.01); **C12N 11/04** (2006.01)

CPC (source: EP US)

A01H 3/00 (2013.01 - EP US); **C05F 11/08** (2013.01 - EP); **C05G 5/27** (2020.02 - EP US); **C05G 5/30** (2020.02 - EP US); **C12N 1/14** (2013.01 - EP); **C12N 3/00** (2013.01 - EP)

Citation (search report)

- [Y] PERSAD-CHINNERY S B ET AL: "ENHANCEMENT OF IN-VITRO SPORE GERMINATION OF GIGASPORA-ROSEA BY A CELLULASE PREPARATION", 1992, MYCOLOGICAL RESEARCH, VOL. 96, NR. 8, PAGE(S) 626-628, ISSN: 0953-7562, XP002607574
- [Y] GERDEMANN AND NICOLSON: "Spores of Mycorrhizal endogone species extracted from soil by wet sieving and decanting", TRANS BRIT MYCOL SOC, vol. 46, no. 2, 1963, pages 235 - 244, XP002607575
- See references of WO 2009009805A1

Cited by

CN112341266A

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

DOCDB simple family (publication)

WO 2009009805 A1 20090115; **WO 2009009805 A9 20090312**; EP 2176196 A1 20100421; EP 2176196 A4 20101208; ZA 200808624 B 20091125

DOCDB simple family (application)

ZA 2008000060 W 20080708; EP 08799583 A 20080708; ZA 200808624 A 20081009