

Title (en)
METHOD FOR CREATING NUTRIENT RICH BIOLOGICALLY ACTIVE SOILS AND HORTICULTURE MEDIA WITH PREDETERMINED CHARACTERISTICS

Title (de)
VERFAHREN ZUR ERZEUGUNG VON NÄHRSTOFFREICHEN BIOLOGISCH AKTIVEN BÖDEN UND GARTENBAU MIT VORGEGEBENEN EIGENSCHAFTEN

Title (fr)
PROCÉDÉ DE CRÉATION DE SOLS BIOLOGIQUEMENT ACTIFS RICHES EN NUTRIMENTS ET DE MILIEUX D'HORTICULTURE PRÉSENTANT DES CARACTÉRISTIQUES PRÉDÉFINIES

Publication
EP 3606890 A1 20200212 (EN)

Application
EP 17783222 A 20170414

Priority
• US 201715477550 A 20170403
• US 2017027609 W 20170414
• US 201662322586 P 20160414

Abstract (en)
[origin: WO2017180996A1] A process is disclosed for creating biologically active soil or horticulture media for growing plants, wherein a fibrous carbon source such as coconut coir in a predetermined particulate form is mixed with fertilizers and other biological nutrients, inoculated with a biologically active substance such as worm castings and then aged or cured in an oxygen rich aerobic process. After which additional nutrients can be added to tailor the aged media for a specific use. Various apparatus with which to conduct the aging process are also described. In a variation of the process used soil or horticulture media is recharged by first composting at a high temperature to remove harmful and unwanted items, its contents are evaluated, nutrients are added, and it is then aged in an aerobic process.

IPC 8 full level
C05G 3/00 (2020.01); **C05F 11/00** (2006.01); **C05F 15/00** (2006.01); **C05F 17/00** (2020.01); **C09K 17/40** (2006.01); **C12P 7/00** (2006.01)

CPC (source: EP)
A01G 24/60 (2018.02); **C05F 3/00** (2013.01); **C05F 11/00** (2013.01); **C05F 17/00** (2013.01); **C05G 3/00** (2013.01); **C12P 5/023** (2013.01); **C12P 7/40** (2013.01); **Y02A 40/20** (2018.01); **Y02E 50/30** (2013.01); **Y02P 20/145** (2015.11); **Y02W 30/40** (2015.05)

C-Set (source: EP)
C05F 11/00 + C05B 17/00 + C05C 3/00 + C05C 5/00 + C05C 9/005 + C05D 3/00 + C05D 5/00 + C05D 9/02 + C05F 3/00 + C05F 11/08

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 2017180996 A1 20171019; CA 3020182 A1 20171019; CA 3020182 C 20191119; CN 110958997 A 20200403; EP 3606890 A1 20200212; EP 3606890 A4 20200610

DOCDB simple family (application)
US 2017027609 W 20170414; CA 3020182 A 20170414; CN 201780091099 A 20170414; EP 17783222 A 20170414