

Title (en)

A PROCESS OF PRODUCING SOIL AMENDMENT FROM ORGANIC WASTE, AND A FERTILIZER PRODUCED FROM SAME

Title (de)

VERFAHREN ZUM PRODUZIEREN VON BODENVERBESSERUNGEN AUS ORGANISCHEN ABFÄLLEN UND EIN DARAUS PRODUZIERTES DÜNGEMITTEL

Title (fr)

PROCÉDÉ DE PRODUCTION D'AMENDMENT DU SOL À PARTIR DE DÉCHETS ORGANIQUES ET ENGRAIS PRODUIT À PARTIR DE CELUI-CI

Publication

**EP 4097070 A1 20221207 (EN)**

Application

**EP 21748252 A 20210127**

Priority

- NO 20200096 A 20200127
- NO 2021050023 W 20210127

Abstract (en)

[origin: WO2021154088A1] A process of producing soil amendment from organic waste by feeding wet organic waste (101) with biochar (118) and wood (102) to form a feed mixture (106) to a composting drum (107) where The mixture is subjected to microbial aerobic conversion to produce a solid phase(108) comprising compost, biochar and water, and a gaseous phase(119) comprising humid air, CO<sub>2</sub> and ammonia. Moisture in solid phase(108) is removed in a dryer (109) to produce dry compost (110), which is fed to a separator (111) to extract structural material from compost. Compost in conduit (112) is fed to a mixer (113), and mixed with an aqueous solution (121) containing ammonia from scrubber (120) and composting drum (107) and other components to produce fertilizer(114). A pyrolysis reactor (123) converts structural material (101) and waste (102) to a gaseous phase and a carbonaceous solid phase (126) for use as carbon source in the fertilizer (114, 115).

IPC 8 full level

**C05F 17/10** (2020.01)

CPC (source: EP NO)

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