

Title (en)  
A COMPOSTING SYSTEM AND A METHOD FOR COMPOSTING A BIOMASS

Title (de)  
KOMPOSTIERSYSTEM UND VERFAHREN ZUR KOMPOSTIERUNG EINER BIOMASSE

Title (fr)  
SYSTEME DE COMPOSTAGE ET PROCEDE DE COMPOSTAGE D'UNE BIOMASSE

Publication  
**EP 1723090 A2 20061122 (EN)**

Application  
**EP 05706787 A 20050224**

Priority  
• DK 2005000125 W 20050224  
• DK PA200400361 A 20040303

Abstract (en)  
[origin: WO2005085156A2] The present invention relates to a method of composting a biomass. The method comprises feeding an amount of sludge into a mixer, feeding an amount of sand into the mixer, feeding an amount of green waste into the mixer, mixing the sludge, sand and green waste to form at least part of a biomass, and composting the biomass. It is preferred that the percentages by weight of the amounts of sludge, sand and green waste in the biomass is within predetermined ranges. It is furthermore preferred that the amounts of sludge, sand and green waste and the content of water in the sludge, sand and green waste are selected so as to obtain a biomass having a water content in the range of 40-65% by weight. The invention further relates to a composting system, which comprises a container for biomass and/or organic waste having outer sidewalls and a bottom wall, which this container has an inner perforated bottom floor being arranged above the bottom wall to form a bottom cavity between the bottom wall and the bottom floor. In a first embodiment of the system the container may further have at least one inner beam being arranged between the outer sidewalls and at a height above the inner bottom floor. The container may further have at least two tilted or angled inner sidewall parts with each of the two outer sidewall parts having at least one of said tilted sidewall parts being arranged along the inside. In a second embodiment of the system, the container further has inner perforated sidewalls arranged along at least part of the outer sidewalls to form side cavities between the outer sidewalls and the corresponding inner sidewall, with openings provided between the bottom cavity and the side cavities to thereby allow a flow of air between these cavities.

IPC 8 full level  
**C05F 17/00** (2006.01); **C05F 7/00** (2006.01); **C05F 9/04** (2006.01); **C05F 17/02** (2006.01); **C05G 3/80** (2020.01)

CPC (source: EP)  
**C05F 17/00** (2013.01); **C05F 17/10** (2020.01); **C05F 17/40** (2020.01); **C05F 17/907** (2020.01); **C05G 3/80** (2020.02); **Y02P 20/145** (2015.11); **Y02W 30/40** (2015.05)

Citation (search report)  
See references of WO 2005085156A2

Citation (examination)  
• US 5518924 A 19960521 - SPESCHA ADELRIK [CH]  
• GB 756373 A 19560905 - DANO INGENIORFORRETNING OG MAS

Cited by  
CN114149282A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR LV MK YU

DOCDB simple family (publication)  
**WO 2005085156 A2 20050915**; **WO 2005085156 A3 20060824**; EP 1723090 A2 20061122

DOCDB simple family (application)  
**DK 2005000125 W 20050224**; EP 05706787 A 20050224