

Title (en)

Composting apparatus for comminuting organic waste.

Title (de)

Kompostiergerät zum Zerkleinern von organischem Abfall.

Title (fr)

Appareil de compostage pour le broyage de déchets organiques.

Publication

EP 0212194 A1 19870304 (DE)

Application

EP 86109255 A 19860707

Priority

DE 3529326 A 19850816

Abstract (en)

1. Compost device for comminuting organic waste, comprising : (a) a receptacle (16) adapted to be put on a lorry (10), (b) a transporting device (22) on the bottom of this receptacle (16), which transporting device transports toward one end of the receptacle, (c) a striking work (20) driven by a driving mechanism, which striking work closes the receptacle (16) at said one end and which has rotating striking bodies drawn outwards under the action of the centrifugal force, the rotating direction of which striking bodies is such that the striking bodies at the side of the transporting device move from below to the top and the action region of which is limited by an imaginary cylinder surface (38), (d) an impact wall (42) arranged above the striking work (20), which impact wall forms a narrow exit slot (44) with said imaginary cylinder surface (38), characterized in that (e) the striking work (20) has a plurality of discs (32) spaced from each other on a shaft (30), (f) eccentric bearing shafts (34) are mounted in the discs (32), (g) the striking bodies are formed by hammers (36) which are pivotally mounted on the bearing shafts (34) between the discs (32), and (h) a series of catching claws (46) is arranged on the exit side in front of the exit slot (44) and extends into the interspaces between the rotating hammers (36), (i) the catching claws (46) are mounted to be rotated outwardly, and (j) the catching claws (46) are held in their working position against a stop (80) through a biased spring (78).

Abstract (de)

Ein Kompostiergerät enthält einen trogartigen Behälter (16), eine Fördereinrichtung (22) auf dem Boden dieses Behälters (16) und ein Schlagwerk (20). Material wird durch die Fördereinrichtung (22) zu dem Schlagwerk (20) gefördert. Der Antrieb des Schlagwerks (20) enthält eine Turbokupplung (82). Ein Drehgeschwindigkeitsfühler (94) vermindert die Geschwindigkeit der Fördereinrichtung (22), wenn die Abtriebsdrehzahl der Trubokupplung (82) bei Aufgabe eines schwer zerkleinerbaren Teils absinkt.

IPC 1-7

B02C 13/04; **B02C 21/02**

IPC 8 full level

B02C 13/04 (2006.01); **B02C 21/02** (2006.01)

CPC (source: EP)

B02C 13/04 (2013.01); **B02C 21/02** (2013.01)

Citation (search report)

- CH 629975 A5 19820528 - LINDEMANN MASCHFAB GMBH [DE]
- US 4101081 A 19780718 - RITTER ORVILLE A, et al
- EP 0048787 A2 19820407 - LUMMUS CREST SARL [FR]

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Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0212194 A1 19870304; **EP 0212194 B1 19891011**; AT E47046 T1 19891015; DE 3529326 A1 19870226; DE 3529326 C2 19940414; DE 3666145 D1 19891116

DOCDB simple family (application)

EP 86109255 A 19860707; AT 86109255 T 19860707; DE 3529326 A 19850816; DE 3666145 T 19860707