

Title (en)
Unit for grinding organic material

Title (de)
Zerkleinerungsanlage für organische Abfälle

Title (fr)
Unité pour le broyage de déchets organiques

Publication
EP 1707270 B1 20100210 (EN)

Application
EP 05013416 A 20050622

Priority
IT PI20050033 A 20050329

Abstract (en)
[origin: EP1707270A1] Unit (1) for treatment of organic waste having a waste sorting means comprising a sieve (21) movable between a first position, where it allows the passage of only a waste liquid fraction, and A second position, where it allows the passage also of a waste solid fraction. The sieve (21) is operatively connected by a rod (20) to a control valve (30), arranged downstream of a grinding chamber (10), in order to synchronize its movements. The valve (30) has a diaphragm (31) having holes (32) and a dividing wall (33) parallel to it. In a first position of the sieve (21) the valve (30) has the pierced diaphragm (31) arranged at the base of the grinding chamber (10) and the dividing wall (33) faces the outlet (35). This way, in a first step of organic waste treatment, the waste liquid fraction can outflow up to a water drain, which is in hydraulic connection with the unit (1) by a duct (35). A second step of organic waste treatment provides the arrangement of the the sieve (21) in the second position in order to cause the solid fraction of the waste processed to reach the grinding chamber (10), where it is finely ground. In particular, in the grinding chamber knives (15) are arranged on the boundary of a rotating drum (11) that cooperate with a stationary knife (16) connected to the wall of the chamber (10) in order to provide a substantially "comb-shaped" structure. [FIGURE 8].

IPC 8 full level
B02C 18/00 (2006.01); **B02C 18/18** (2006.01); **B02C 18/22** (2006.01); **B02C 23/16** (2006.01)

CPC (source: EP)
B02C 18/0084 (2013.01); **B02C 18/16** (2013.01); **B02C 18/18** (2013.01); **B02C 18/2216** (2013.01); **B02C 2018/164** (2013.01); **B02C 2023/165** (2013.01)

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CN107185672A; IT201900014100A1; CN102198415A; CN105377439A; CN112570119A; WO2015000737A1; US9468931B2; US8448886B2; WO2009063265A1

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

DOCDB simple family (publication)
EP 1707270 A1 20061004; **EP 1707270 B1 20100210**; AT E457202 T1 20100215; DE 602005019271 D1 20100325; DK 1707270 T3 20100531; ES 2340931 T3 20100611; IT PI20050033 A1 20060930; SI 1707270 T1 20100630

DOCDB simple family (application)
EP 05013416 A 20050622; AT 05013416 T 20050622; DE 602005019271 T 20050622; DK 05013416 T 20050622; ES 05013416 T 20050622; IT PI20050033 A 20050329; SI 200530976 T 20050622