

Title (en)

Device for shredding a substrate and housing wall for such a device

Title (de)

Vorrichtung zum Zerkleinern von Substrat und Gehäusewandung für eine solche Vorrichtung

Title (fr)

Dispositif de broyage de substrat et paroi de boîtier pour un tel dispositif

Publication

**EP 2730338 A3 20141210 (DE)**

Application

**EP 13192721 A 20131113**

Priority

DE 202012104378 U 20121113

Abstract (en)

[origin: EP2730338A2] The housing wall (7) is hollow cylindrically formed. A helical curve shaped guide profile is arranged at the inner side of the housing wall in the area of the longitudinal extension of the housing, in which a milling element (12) is arranged. The inner side of the housing wall faces the milling element. The guide profile has a positive slope with respect to the rotation direction of a shaft (11). The shaft is rotatably arranged around the longitudinal axis (L) of the housing wall. An independent claim is included for a device for milling of substrates, particularly fine milling of biogas substrates with a cutting knife.

IPC 8 full level

**B02C 18/10** (2006.01); **B02C 13/18** (2006.01); **B02C 13/282** (2006.01); **B02C 18/16** (2006.01)

CPC (source: EP)

**B02C 13/18** (2013.01); **B02C 13/282** (2013.01); **B02C 18/0084** (2013.01); **B02C 18/10** (2013.01); **B02C 18/16** (2013.01); **B02C 2018/162** (2013.01)

Citation (search report)

- [X] US 4767069 A 19880830 - KIM CHONG S [KR]
- [X] US 1803230 A 19310428 - JULIUS BING
- [X] US 4595148 A 19860617 - LUERKEN ADOLF [US], et al
- [A] FR 2597764 A1 19871030 - PEGUY GUY [FR]

Cited by

CN109013010A; CN113102046A

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)

**DE 202012104378 U1 20121121**; EP 2730338 A2 20140514; EP 2730338 A3 20141210

DOCDB simple family (application)

**DE 202012104378 U 20121113**; EP 13192721 A 20131113