

Title (en)

Apparatus for briquetting stalks,in particular straw.

Title (de)

Vorrichtung zum Brikettieren von pflanzlichem Halmgut, insbesondere Stroh.

Title (fr)

Dispositif pour agglomérer du brin végétal, notamment de paille.

Publication

**EP 0359285 B1 19940622 (DE)**

Application

**EP 89117142 A 19890915**

Priority

DE 3831528 A 19880916

Abstract (en)

[origin: EP0359285A2] The apparatus for briquetting plant material, especially stalks, comprises a conical worm compactor (27) of which the worm (29) driveable in rotation possesses, at least at its end at the front in the conveying direction, a conically tapering outer contour defined by a plurality of turns of at least one worm helix (51) projecting from a conical worm core (49) and projects a cone-shaped compactor (33) of a worm housing (35). Ribs (53) project from the inner cone surface (55) of the conical space (33) towards the worm (29) and surround the worm (29) in the form of a conical helix with a turn direction opposite the turn direction of the worm (29). The rib (53) in the form of a conical helix appropriately extends as far as an outlet orifice (41) and screws the compacted stalks, co-rotating with the worm (29) at least to a limited extent, towards the outlet orifice (41). The apparatus possesses a press die (45), the outlet cross-section of which can be varied via a wedge mechanism (73, 79, 81). Inserted between the press die (45) and the conical worm compactor (27) is an annular part (43) which on its inner circumference (57) has a plurality of capillary degassing slots (63) open to the environment. <IMAGE>

IPC 1-7

**B30B 11/24**; **B30B 11/00**

IPC 8 full level

**B30B 11/00** (2006.01); **B30B 11/22** (2006.01); **B30B 11/24** (2006.01); **B30B 15/00** (2006.01); **B30B 15/30** (2006.01)

CPC (source: EP)

**B30B 11/00** (2013.01); **B30B 11/224** (2013.01); **B30B 11/225** (2013.01); **B30B 11/24** (2013.01); **B30B 15/0017** (2013.01); **B30B 15/308** (2013.01)

Citation (examination)

- US 4632795 A 19861230 - HUBER GORDON R [US], et al
- CH 627048 A5 19811231 - LOIDL HANS [AT], et al

Cited by

CN112903523A; US5716440A; CN107471714A; EP0846553A3; EP1385694A4; GB2331725A; RU185861U1; RU178075U1; US5302102A; RU178074U1; RU2504473C2; RU187933U1; CN111616320A; US6247662B1; WO9809801A3; WO0018572A1; WO9104150A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

**EP 0359285 A2 19900321**; **EP 0359285 A3 19901122**; **EP 0359285 B1 19940622**; AT E107576 T1 19940715; DE 3831528 A1 19900329; DE 58907939 D1 19940728

DOCDB simple family (application)

**EP 89117142 A 19890915**; AT 89117142 T 19890915; DE 3831528 A 19880916; DE 58907939 T 19890915