

Title (en)

METHOD AND DEVICE FOR THE PRESSING OF A FLEXURAL RIGID GIRDERLIKE SHAPED BODY OF VEGETABLE PARTICLES

Publication

EP 0399373 B1 19921223 (DE)

Application

EP 90109362 A 19900517

Priority

DE 3916774 A 19890523

Abstract (en)

[origin: EP0399373A1] The invention relates to methods and devices for the manufacture of girderlike shaped bodies (15) from vegetable particles mixed with binders, in moulding presses. Starting from the knowledge that the core of such shaped bodies (15) is compressed less, the greater the cross-section of the shaped body (15), the invention proposes to form the core region of the shaped body (15) from a particle additional mass which is specifically moved thereto and compressed and which, on compression of the shaped body (15) by cheek plates (2 to 5) surrounding it, acts reactively as a crushing zone (28). In this way, a continuous compression of the shaped body even of large cross- section is achieved, and at the same time a particularly powerful compression of the peripheral regions of the shaped body. The strength and flexural rigidity of such shaped bodies (15) is particularly great, making them suitable even for forming railway sleepers. <IMAGE>

IPC 1-7

B27M 3/14

IPC 8 full level

B27N 3/02 (2006.01); **B27M 3/14** (2006.01); **B27N 3/12** (2006.01); **B27N 5/00** (2006.01); **B30B 7/04** (2006.01); **E01B 3/44** (2006.01)

CPC (source: EP US)

B27N 5/00 (2013.01 - EP US); **B30B 7/04** (2013.01 - EP US); **B30B 11/007** (2013.01 - EP US); **E01B 3/44** (2013.01 - EP US)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0399373 A1 19901128; **EP 0399373 B1 19921223**; AT E83701 T1 19930115; CA 2017280 A1 19901123; DE 3916774 A1 19901129; DE 3916774 C2 19910814; DE 59000637 D1 19930204; RU 1831423 C 19930730; US 5100601 A 19920331

DOCDB simple family (application)

EP 90109362 A 19900517; AT 90109362 T 19900517; CA 2017280 A 19900522; DE 3916774 A 19890523; DE 59000637 T 19900517; SU 4743902 A 19900522; US 52629690 A 19900521