

Title (en)
A method for molding shaped products and an apparatus for carrying out same

Title (de)
Verfahren und Vorrichtung zum Formen von geformten Produkten

Title (fr)
Procédé et dispositif pour le moulage des produits moulées

Publication
EP 0573695 B1 19970212 (EN)

Application
EP 92116012 A 19920918

Priority
SU 5041121 A 19920610

Abstract (en)
[origin: EP0573695A1] A method for molding shaped products from particles of vegetable origin which have a size of 0.002 to 10 mm at a moisture content of 4 to 15% comprising the steps of mixing a filler comprising particles of vegetable origin and a binder which is obtained from hemicelluloses released from particles of vegetable origin upon molding. The briquettes are formed from the resultant mixture with an axial passageway then packed and transferred to a molding zone where a continuous shaped blank is obtained by joining each successive packed briquette to the preceding one under a specific pressure of 2 to 50 MPa and a temperature in the range of 160 to 350 DEG C. A counterpressure equal to at least the molding pressure being generated as each successive packed briquette is joined at the molded end of the continuous molded blank. Then products of required length are cut from the resultant continuous shaped blank. An apparatus for carrying out a method comprises the chamber (4) for molding the briquettes which comprises two multi-faceted truncated pyramids (15, 16) joined together along the perimeter of their minor bases, the side facets of which are rigidly secured to the frame so that the geometric axes of the pyramids (15, 16) coincide with the molding axis (x-x) of the continuous blank. <IMAGE>

IPC 1-7
B27N 3/28

IPC 8 full level
B27N 1/02 (2006.01); **B27N 3/28** (2006.01)

CPC (source: EP)
B27N 1/0209 (2013.01); **B27N 3/28** (2013.01)

Cited by
EP1852495A1; EP0908281A1; EP2450168A1; EP2153957A4; EP1925413A3; EP2425947A3; WO2011029922A3; EP1925413A2; WO2008146370A1; US8262960B2

Designated contracting state (EPC)
AT DE FR GB GR

DOCDB simple family (publication)
EP 0573695 A1 19931215; EP 0573695 B1 19970212; AT E148850 T1 19970215; CA 2077731 A1 19931211; CN 1034268 C 19970319; CN 1079933 A 19931229; DE 69217484 D1 19970327; DE 69217484 T2 19970828; RU 2041816 C1 19950820

DOCDB simple family (application)
EP 92116012 A 19920918; AT 92116012 T 19920918; CA 2077731 A 19920908; CN 92111599 A 19921017; DE 69217484 T 19920918; SU 5041121 A 19920610