

Title (en)

DEVICE FOR HEATING AN EXTRUSION MOULDING TRACK OF ELECTRICALLY CONDUCTIVE MATERIAL, AND THE USE THEREOF

Publication

EP 0085318 B1 19870909 (DE)

Application

EP 83100273 A 19830114

Priority

DE 3203131 A 19820130

Abstract (en)

[origin: US4514162A] The invention relates to an appliance for heating an electroconductive material, preferably one which hardens as a result of this heating process, this material being in the form of a continuous strand which is guided inside a channel (14). In this appliance, a high-frequency generator (23) is provided, two capacitor-plates (30) being arranged on two oppositely-located sides of the channel (14), which sides are formed by walls (10 to 13) composed of an electrically insulating material, these capacitor-plates (30) being staggered by at least their length and being connected to a non-earthed terminal of the high-frequency generator (23), while two further capacitor-plates (31, 32) are arranged on each of the two sides, adjacent to the two capacitor-plates (30), these further capacitor-plates (31, 32) being connected to the earthed terminal of the high-frequency generator (23) and extending along the channel (14) for a distance such that the strand outside the heating zone is no longer at a potential. The appliance can be used, in particular, in a belt-type continuous-moulding unit for the manufacture of blanks for building materials, starting from a raw mixture having a high dielectric coefficient.

IPC 1-7

H05B 6/60; **B28B 5/02**

IPC 8 full level

C04B 40/00 (2006.01); **B28B 1/30** (2006.01); **B28B 5/02** (2006.01); **B28B 11/24** (2006.01); **B30B 5/06** (2006.01); **H05B 6/60** (2006.01)

CPC (source: EP US)

B28B 5/027 (2013.01 - EP US); **B30B 5/06** (2013.01 - EP US); **H05B 6/60** (2013.01 - EP US); **Y10S 198/952** (2013.01 - EP US)

Cited by

EP0958904A1; EP0228615A3; EP0485363A3; EP0487504A1; EP0486472A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0085318 A1 19830810; **EP 0085318 B1 19870909**; AT E29641 T1 19870915; CA 1194559 A 19851001; DE 3373606 D1 19871015; DK 156362 B 19890807; DK 156362 C 19900102; DK 21883 A 19830731; DK 21883 D0 19830120; JP H047285 B2 19920210; JP S58136404 A 19830813; US 4514162 A 19850430

DOCDB simple family (application)

EP 83100273 A 19830114; AT 83100273 T 19830114; CA 420488 A 19830128; DE 3373606 T 19830114; DK 21883 A 19830120; JP 1361783 A 19830128; US 45995183 A 19830121