Title (en)

Device for producing corrugated board and condensate recovery method

Title (de)

Vorrichtung zur Herstellung von Wellpappe und Kondensatrückgewinnungsverfahren

Title (fr)

Dispositif de production de carton ondulé et procédé de récupération de condensats

Publication

EP 2484516 B1 20130828 (EN)

Application

EP 12425018 A 20120130

Priority

IT FI20110019 A 20110202

Abstract (en)

[origin: EP2484516A1] The device comprises: a feed path for corrugated cardboard (N1, N2, N3); along said feed path, a series of sequentially arranged heated plates (103) defining a sliding surface for said corrugated cardboard, said series of heated plates being subdivided into a plurality of groups (109A, 109B, 109C, 109D) of heated plates (103); pressing members (105) to press said corrugated board (N1, N2, N3) against said sliding surface. To heat the plates (103) steam is supplied through a pressurized steam supply line (111). For each group (109A, 109B, 109C, 109D) of heated plates (103), a pressure regulating valve (113A, 113B) is provided between the steam supply line (111) and the heated plates of the respective group of heated plates, to supply said heated plates with steam under regulated pressure. Furthermore, for each group of heated plates (103), a condensate relief valve (134A, 134B, 134C, 134D) allows to discharge the condensate from the various groups towards a common condensate collecting line (130) and from here to a condensate storage tank (136).

IPC 8 full level

B31F 1/28 (2006.01)

CPC (source: EP)

B31F 1/285 (2013.01); **B31F 1/2877** (2013.01)

Cited by

CN109466122A; BE1021214B1; CN111923504A; WO2022043024A1; EP3736121A1; EP3738759A1; IT201900006568A1; US11260617B2; US11420409B2; US11858233B2

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

DOCDB simple family (publication)

EP 2484516 A1 20120808; **EP 2484516 B1 20130828**; ES 2431833 T3 20131128; IT 1403571 B1 20131031; IT FI20110019 A1 20120803

DOCDB simple family (application)

EP 12425018 A 20120130; ES 12425018 T 20120130; IT FI20110019 A 20110202