

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 A1 20120808 (EN)

Application
EP 12425018 A 20120130

Priority
IT FI20110019 A 20110202

Abstract (en)
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)

Citation (applicant)
• EP 1362691 A2 20031119 - FOSBER SPA [IT]
• US 2004261950 A1 20041230 - ADAMI MAURO [IT]
• WO 9847699 A1 19981029 - UNITED CONTAINER MACHINERY INC [US]
• EP 0949065 A2 19991013 - MARQUIP INC [US]

Citation (search report)
• [XY] WO 9847699 A1 19981029 - UNITED CONTAINER MACHINERY INC [US]
• [Y] EP 0949065 A2 19991013 - MARQUIP INC [US]
• [A] EP 2058117 A1 20090513 - MITSUBISHI HEAVY IND LTD [JP]

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