

Title (en)  
A box erecting device

Title (de)  
Vorrichtung zum Aufrichten von Schachteln

Title (fr)  
Dispositif pour former des boîtes

Publication  
**EP 1609585 B1 20071219 (EN)**

Application  
**EP 05425444 A 20050620**

Priority  
IT BO20040388 A 20040621

Abstract (en)  
[origin: EP1609585A1] The device (4) for erecting boxes (2) from flat blanks (3) made of card comprises: a mandrel that moves vertically in a first defined vertical direction (D1); guides (55) for folding portions (3a) of the blank (3) in such a way as to shape the boxes (2), said folding guides (55) engaging the blank (3) when it comes into contact with the mandrel; a plurality of heads (12) for joining the corners (13) of the boxes (2) being erected, by applying lengths (14) of heat adhesive tape, each of the heads (12) comprising a device (16) for feeding the tape, a blade (56) for cutting the tape, a heating element (27) and a pressure shoe (28) over which the tape runs and which is designed to hold the tape length (14) in contact with the respective box (2) corner (13) to be connected. <IMAGE> <IMAGE>

IPC 8 full level  
**B31B 3/46** (2006.01); **B31B 3/00** (2006.01); **B31B 3/72** (2006.01); **B65D 5/20** (2006.01)

CPC (source: EP US)  
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Cited by  
WO2013098684A1; WO2014177947A1; ITBO20080756A1; KR101428379B1; ITBO20130197A1; JP2017140831A; ITUB20160535A1; ITBO20110772A1; IT201700049381A1; CN109484721A; US7805911B2; WO2007129201A2; WO2007129201A3

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