

Title (en)
Box erecting apparatus and method

Title (de)
Vorrichtung und Verfahren zum Aufrichten von Schachteln

Title (fr)
Dispositif et procédé pour former des boîtes

Publication
EP 1609586 A1 20051228 (EN)

Application
EP 05425445 A 20050620

Priority
IT BO20040389 A 20040621

Abstract (en)
The apparatus for erecting boxes (2) using flat blanks (3) made of card, comprises: a station (8) for storing the blanks (3), a unit (9) for erecting the blanks (3), said unit (9) being designed to fold portions (3a) of the blanks (3) themselves in such a way as to form the boxes (2); means (41) for feeding the blanks (3) picked up from the storage station (8) to the erecting unit (9), the blanks (3) being fed to the erecting unit (9) at a first defined height (Q1); means (42) for transferring the erected boxes (2) to further processing units. The erecting unit (9) comprises a vertically mobile mandrel (12) and folding elements (17) that press the blank (3) against the mandrel (12), the mandrel (12) being designed to engage and hold the blank (3), while the latter is in a substantially flat configuration, and to move it from a first position, located at the aforementioned first defined height (Q1), to a second position, located at a second defined height (Q2) where the blank (3) defines the erected box (2). <IMAGE>

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IPC 8 full level
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Citation (search report)
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