Title (en)
A METHOD AND A MACHINE FOR FORMING A BOX-SHAPED CONTAINER

Publication
EP 0332595 A3 19910612 (EN)

Application
EP 89850052 A 19890215

Priority
SE 8800803 A 19880308

Abstract (en)
[origin: EP0332595A2] A method and a machine for forming a box-shaped container, from a flat-folded container blank (10) of cardboard or similar material, comprising a four-sided sleeve-shaped middle section (11), a central top tongue (12), two boundary top tongues (13) and a bottom. The machine comprises first hook means (18, 19) for pulling the blank (10) into a turning cradle (21). In this the flat cardboard blank (10) is turned approximately 90 DEG around an imaginary axis, which is coaxial with a folding line (22) for the top tongues (12, 13), so that the central top tongue (12) and one of the boundary top tongues (13) are angled towards one side from the middle section plane, along said folding line (22). Second hook means (28) are arranged to angle the remaining top tongue (13) in the opposite direction away from the plane of the middle section, along said folding line (22). Also, means (29) are arranged to pull the blank sideways out of the turning cradle, as well as press means (30) for erecting the middle section (11) and bottom of the blank by moving the edges of the plane towards each other until a substantially rectangular box has been formed.

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B31B 50/00 (2017.07 - EP); **B31B 50/788** (2017.07 - EP US); B31B 50/78 (2017.07 - EP); B31B 2100/00 (2017.07 - EP); B31B 2120/30 (2017.07 - EP)

Citation (search report)
- [A] US 3024710 A 19620313 - GASTRIGHT FRANK A
- [A] GB 675821 A 19520716 - ESSELTE FORPACKING A B
- [A] DE 1957761 A1 19700527 - WINTERS JOHN DONALD

Cited by
ITBO20120272A1; CN104364075A; WO2013171693A3

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EP 0332595 A2 19890913; **EP 0332595 A3 19910612**; JP H028038 A 19900111; SE 460778 B 19891120; SE 8800803 D0 19880308; SE 8800803 L 19890909

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