

Title (en)

Former for a bag maker and method of producing same

Title (de)

Formschulter für eine Vorrichtung zum Herstellen von Beuteln und Verfahren zu deren Herstellung.

Title (fr)

Epaulement de formation pour une machine pour la fabrication de sacs et procédé pour sa fabrication

Publication

**EP 0775634 A1 19970528 (EN)**

Application

**EP 95308427 A 19951123**

Priority

EP 95308427 A 19951123

Abstract (en)

A former (10) for forming an elongated planar bag-making material into a tubular form is composed of a hollow cylindrical tubular part (20) and a shoulder part (30) which has a planar guide section and is connected to the tubular part along a connecting line (40) surrounding the tubular part. Both the tubular (20) and shoulder (30) parts are formed by cutting a tube-forming piece and a shoulder-forming piece from a flat blank sheet in appropriate shapes and bending these pieces into the shapes of the tubular and shoulder parts. The connecting line (40) is designed such that the angle between its tangent and the axial direction of the tubular part changes at a constant rate. Portions of the edges of the tube-forming and shoulder-forming pieces may be in a shape of a parabola or a hyperbolic function curve, and these pieces are obtained by making a numerical control program from the desired shapes of the curve and controlling a laser cutter by the program to cut a blank sheet in the desired shapes.

<IMAGE>

IPC 1-7

**B65B 9/22**

IPC 8 full level

**B65B 9/22** (2006.01)

CPC (source: EP)

**B65B 9/2021** (2013.01); **B65B 9/2028** (2013.01); **B65B 9/22** (2013.01); **B65B 41/16** (2013.01)

Citation (applicant)

US 5237798 A 19930824 - FUKUDA MASAO [JP]

Citation (search report)

- [Y] GB 913114 A 19621219 - WILLIAM CLAIR LEASURE
- [Y] US 3636826 A 19720125 - BOWEN BURLIE R, et al
- [A] US 3494265 A 19700210 - MIDDOUR DONALD R
- [A] DE 4038888 A1 19920611 - ROVEMA GMBH [DE]
- [A] US 4918611 A 19900417 - SHYU JIA-MING [TW], et al

Cited by

JP2020023361A; CN110683139A; US7214173B2; US7367931B2

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