

Title (en)

UNITARY SHEET METAL CAN BODY, FABRICATING METHODS AND APPARATUS

Title (de)

EINSTÜCKIGE METALBLECHBEHÄLTER UND VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG

Title (fr)

CORPS DE BOITE A CONSERVE EN TOLE MONOBLOC, PROCEDE ET DISPOSITIF DE FABRICATION

Publication

**EP 0822873 A4 20010207 (EN)**

Application

**EP 96912176 A 19960424**

Priority

- IB 9600455 W 19960424
- US 42838695 A 19950425

Abstract (en)

[origin: WO9635525A2] Method and apparatus for combined-process fabricating of flat-rolled sheet metal precoated with an organic polymeric coating into an elongated cylindrical-configuration one-piece can body precoated on interior and exterior surfaces. A circular configuration rigid flat-rolled sheet metal blank precoated with organic polymeric coating is shaped into a unitary cup-shaped product which is free of increased sheet metal thickness. In a single-stroke combined processing, the work product reshaped is passed through side wall ironing structure to increase side wall height and to produce a substantially uniform thickness side wall. Side-wall ironing is carried out free of damage to the precoated organic polymeric coating and the can body, as fabricated, is ready for use free of coating repair requirements. The resultant can body endwall thickness is substantially equal to the preselected starting gauge of the circular blank.

IPC 1-7

**B21D 51/26**; B21D 22/30; B21D 22/20

IPC 8 full level

**B21D 51/26** (2006.01)

CPC (source: EP)

**B21D 51/26** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9635525A2

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

**WO 9635525 A2 19961114**; **WO 9635525 A3 19970103**; AU 5511296 A 19961129; AU 707477 B2 19990708; CA 2217176 A1 19961114; EP 0822873 A2 19980211; EP 0822873 A4 20010207

DOCDB simple family (application)

**IB 9600455 W 19960424**; AU 5511296 A 19960424; CA 2217176 A 19960424; EP 96912176 A 19960424