

Title (en)

METHOD AND APPARATUS FOR MAKING CANS WITH A TRUNCATED PYRAMIDAL SHAPE

Publication

EP 0298230 B1 19921119 (DE)

Application

EP 88108120 A 19880520

Priority

CH 257187 A 19870707

Abstract (en)

[origin: EP0298230A2] Circular-cylindrical bodies (2) are formed from rectangular sheet-metal blanks by rounding and longitudinal seam welding. In a first spreading operation, these bodies are expanded into an oval cone over their entire length and then relieved of stress again. In a second spreading operation, the bodies (2) are then expanded in such a way that they receive their polygonal, in particular rectangle-like cross-sectional shape over their entire length. The bodies are thereby put under stress at their end edge zones in such a way that these edge zones do not become wavy and can therefore be connected easily to a can lid or base. <IMAGE>

IPC 1-7

B21D 51/26

IPC 8 full level

B21D 39/20 (2006.01); **B21D 51/26** (2006.01)

CPC (source: EP KR US)

B21D 51/26 (2013.01 - KR); **B21D 51/2646** (2013.01 - EP US); **Y10S 72/715** (2013.01 - EP US)

Cited by

KR100806746B1; EP0384427A1; US5018379A; WO0197998A1; WO0117707A1; WO9111275A1

Designated contracting state (EPC)

CH DE ES FR GB GR IT LI NL SE

DOCDB simple family (publication)

EP 0298230 A2 19890111; **EP 0298230 A3 19900718**; **EP 0298230 B1 19921119**; AU 1676988 A 19890112; AU 622111 B2 19920402; BR 8803368 A 19890131; CH 673790 A5 19900412; CN 1013482 B 19910814; CN 1030372 A 19890118; DE 3725186 A1 19890119; DE 3725186 C2 19901018; DE 3876019 D1 19921224; DK 378388 A 19890108; DK 378388 D0 19880707; FI 882827 A0 19880614; FI 882827 A 19890108; GR 3006879 T3 19930630; JP H01215420 A 19890829; JP H0353056 B2 19910813; KR 890001652 A 19890328; KR 920004664 B1 19920613; NO 169639 B 19920413; NO 169639 C 19920722; NO 883017 D0 19880706; NO 883017 L 19890109; SU 1625323 A3 19910130; US 4901557 A 19900220; US 5000370 A 19910319; ZA 884213 B 19900228

DOCDB simple family (application)

EP 88108120 A 19880520; AU 1676988 A 19880530; BR 8803368 A 19880706; CH 257187 A 19870707; CN 88103545 A 19880610; DE 3725186 A 19870729; DE 3876019 T 19880520; DK 378388 A 19880707; FI 882827 A 19880614; GR 920402666 T 19930126; JP 16700688 A 19880706; KR 880008381 A 19880706; NO 883017 A 19880706; SU 4356062 A 19880706; US 20520388 A 19880610; US 42823589 A 19891027; ZA 884213 A 19880613