Title (en)

Method of strengthening crimpings and crimped sealings, in particular for packages.

Title (de)

Verfahren zur Verstärkung von Bördelverbindungen und eingefassten Abdichtungen, insbesondere von Verpackungen.

Title (fr)

Procédé de renforcement de sertissages et joints sertis, notamment pour emballages.

Publication

EP 0133826 A1 19850306 (FR)

Application

EP 84401421 A 19840704

Priority

FR 8311188 A 19830705

Abstract (en)

1. Process for assembling a first and a second piece with thin walls, particularly a body (10) and a base (28) of a metallic package of the barrel type by a crimped fastening having, in a crimped zone of given height, a plurality of layers belonging alternately to two neighbouring margins of the pieces to be assembled, a fold previously made in one of the neighbouring margins increasing, over a predetermined fraction of the said height, the number of layers, the said procedure involving after the pieces to be crimped are put in position the successive use of a roll moulder (31) for rolling the margin (30) of the second piece around and with the margin of the first piece, then a crimping moulder (33) for pressing and laminating which presents a working surface profile essentially parallel to that of the mandrel (32) for supporting the assembly, the said procedure being characterized by the fact that the squeezing phase of the crimping in ended when the working surface of the crimping moulder (33) reaches a distance from the facing surface of the mandrel (32) equal to the sum of six thicknesses of the metal forming the alternating layers of the two pieces to be assembled, and in that the phase of lamination which follows the squeezing phase reduces this distance to almost five thicknesses of the metal.

Abstract (fr)

En référence à la figure 6, le fond (28) d'un fût métallique étant assemblé au corps (10) de celui-ci par un double sertissage dans lequel une surépaisseur est créée par un repli (20) du bord de corps, il est prévu suivant l'invention une opération de laminage au cours de laquelle l'épaisseur du serti est pratiquement égalisée sur toute sa hauteur entre un mandrin (32) et une molette de laminage (33) à surfaces de travail sensiblement parallèles.

IPC 1-7

B21D 51/32

IPC 8 full level

B21D 51/20 (2006.01); **B21D 51/32** (2006.01)

CPC (source: EP)

B21D 51/32 (2013.01); **B65D 7/36** (2013.01)

Citation (search report)

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