

Title (en)

IMPROVEMENTS IN METHOD AND APPARATUS FOR INTEGRAL DOUBLE-WALLED CONTAINER STRUCTURES

Title (de)

VERBESSERUNGEN AN VERFAHREN UND VORRICHTUNGEN FÜR INTEGRALE DOPPELWANDIGE BEHÄLTERSTRUKTUREN

Title (fr)

AMÉLIORATIONS APPORTÉES À UN PROCÉDÉ ET À UN APPAREIL POUR DES STRUCTURES DE RÉCIPIENTS À DOUBLE PAROI INTÉGRÉES

Publication

**EP 3745927 A4 20210804 (EN)**

Application

**EP 19744562 A 20190128**

Priority

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- IB 2019050684 W 20190128

Abstract (en)

[origin: CN111867430A] A method and apparatus for the formation of double-walled containers with two integrally connected containers, with an air gap between them, moulded as a single thermoplastic body. A thermoplastic tubular blank is formed and heat-conditioned. The tubular blank is then stretched and formed by gas pressure to conform to the shape of a mould cavity. Additional heat-conditioning is applied to the second container. An inversion piston shaped as a male mould member with an outer surface that defines the inner surface of the article and a second container shaped mould cavity set with a single-container shaped configuration are provided along with stability devices which are applied to the wall surfaces of the connected containers, such that the second smaller container side wall(s) are at least substantially not in contact with the second container shaped mould cavity set, while at the same time the second container bottom wall does not invert.

IPC 8 full level

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Citation (search report)

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