

Title (en)

Multilayer structure for reclosable container closure

Title (de)

Mehrschichtige Struktur für wiederverschliessbaren Behälterverschluss

Title (fr)

Structure multicouche pour fermeture de récipient pouvant être refermée

Publication

EP 1052186 A2 20001115 (EN)

Application

EP 00108050 A 20000420

Priority

IT MI990881 A 19990426

Abstract (en)

A multilayer structure for closing containers, adapted to produce containers which can be re-closed several times after their initial opening. The multilayer structure comprises at least two layers, namely, a first layer (2) which can be subjected to thermal bonding along the perimeter of the opening (3) of a container (4) and a second layer (5) which is coupled to the first layer (2). A third layer (6) of permanent adhesive is interposed between the first layer (2) and the second layer (5), at at least a part of the region of the first layer (2) designed to be coupled to the container (4) by thermal bonding. The tearing resistance of the first layer (2) is weaker than the bonding force between the first layer (2) and the second layer (5), where the third layer (6) is not present, and is weaker than the resistance to separation of the thermal bonding (10) to be provided between the first layer (2) and the container (4). The resistance to separation of the thermal bonding (10) is greater than the bonding and/or cohesion force of the permanent adhesive, so that the first layer (2) tears during the first opening of the container (4), exposing the third layer (6), which can be used to re-close the container (4). <IMAGE>

IPC 1-7

B65D 77/20

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1645517A1; JP2008515733A; DE102005011500A1; EP3511263A1; AT517369A1; AT517369B1; WO2006040152A1; WO03029100A1; WO2016092470A1; US10597202B2; US9944446B2; US10407230B2; US10850904B2; EP3511263B1

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