

Title (en)

A COMPOSITE CONTAINER WITH SEPARABLE TOP, A BLANK AND METHODS FOR SEPARATING A RIM FROM A TUBULAR BODY

Title (de)

VERBUNDBEHÄLTER MIT ABTRENNBAREM OBERTEIL, ZUSCHNITT UND VERFAHREN ZUM TRENNEN EINES RANDES VON EINEM ROHRFÖRMIGEN KÖRPER

Title (fr)

RÉCIPIENT COMPOSITE À PARTIE SUPÉRIEURE SÉPARABLE, ÉBAUCHE ET PROCÉDÉS DE SÉPARATION D'UN BORD VIS-À-VIS D'UN CORPS TUBULAIRE

Publication

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Application

EP 19877425 A 20191028

Priority

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Abstract (en)

[origin: WO2020085992A1] A composite container (100,200,300,400) comprising a tubular body (101,201,301,401), the tubular body being closed at a bottom end (102,202,302,402) over a container bottom opening (106,206,306) of the tubular body opposite a container top opening (104,204,304) at a top end (103,203,303,403) of the tubular body and having an inside surface (124,224,324,424) and an outside surface (125,225,325,425), the tubular body extending in a longitudinal direction (L) of the container from the bottom end to the container opening, the tubular body being made from a laminate sheet material (8) comprising a carton substrate layer (10,110) and a rim (108,208,309,408) surrounding the container top opening and/or the container bottom opening, the rim being attached to an end portion of the tubular body along an end edge (105a,205a,307a) of the tubular body, the rim having an inner portion (108b,208b,309b) facing the inside surface of the tubular body, the inner portion (108b,208b,309b) comprising a distal inner edge (108a,208a,309a) being located at a distance from the end edge of the tubular body of from 2 to 20 millimeter, and a lid (122,222,322,422) for opening and closing the composite container, characterized in that the composite container comprises a separation arrangement (116,216,316,416) for separating the attached rim from the tubular body, the separation arrangement comprising a, continuous or discontinuous, circumferential first score line (118a,218a,318a,418a) arranged in a circumferential direction in the inside surface or alternatively in the outside surface and extending only partially through the thickness of the tubular body, the first score line being located at a distance from the end edge of the tubular body and at level with or at least not more than 3 mm further away from the end edge compared to the distal inner edge as seen in the longitudinal direction (L), and the first score line being provided in the front and rear wall portions and in the two side wall portions, the first score line being provided along from 60% to 100% of the circumference of the inside surface, and/or of the outside surface. A rectangular body blank for forming a tubular body and methods of separating a rim from a tubular body are also disclosed herein.

IPC 8 full level

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CPC (source: EP SE)

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Citation (search report)

- [XA] WO 2012044235 A1 20120405 - TETRA LAVAL HOLDINGS & FINANCE [CH], et al
- [XA] EP 0611703 A2 19940824 - AKERLUND & RAUSING AB [SE]
- [XA] US 6375069 B1 20020423 - SMITH ERNEST L [US]
- See also references of WO 2020085992A1

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