

Title (en)

Window for spirally formed containers

Title (de)

Fenster für spiralförmig hergestellten Behälter

Title (fr)

Fenêtre pour récipients formés en spirale

Publication

EP 1361161 A3 20031119 (EN)

Application

EP 03014810 A 20000531

Priority

- EP 00304641 A 20000531
- US 32634699 A 19990604

Abstract (en)

[origin: EP1361161A2] A container (10) having a window for viewing the product contained therein and an associated method of manufacture is provided. The container is constructed of at least one body ply (12) and a liner ply (14). The body ply (12) defines at least one aperture (16) therethrough such that when the body ply (12) is wrapped into a tubular shape the aperture (16) forms a window through the body ply (12) into the container (10). The liner ply (14) extends across the aperture (16) in the body ply and has a sufficiently low opacity that allows the product in the container (10) to be viewed through the window. The liner ply (14) provides a moisture and gas barrier inside the container around the product. The container includes a label ply (15). The label ply (15) defines at least one aperture (17) therethrough. The cutting of the at least one aperture (17) in the label ply (15) is registered. The body ply (12) defines at least one aperture (16) therethrough corresponding to the at least one aperture (17) in the label ply (15). The body ply (12) is wrapped around the previously wrapped liner ply (14) on the mandrel and then the label ply (15) is wrapped around the previously wrapped body ply (12) and liner ply (14) so that the apertures in the label ply are aligned with apertures in the body ply to create a tubular shape having a viewing window through both body plies. <IMAGE>A container (10) having a window for viewing the product contained therein and an associated method of manufacture is provided. The container is constructed of at least one body ply (12) and a liner ply (14). The body ply (12) defines at least one aperture (16) therethrough such that when the body ply (12) is wrapped into a tubular shape the aperture (16) forms a window through the body ply (12) into the container (10). The liner ply (14) extends across the aperture (16) in the body ply and has a sufficiently low opacity that allows the product in the container (10) to be viewed through the window. The liner ply (14) provides a moisture and gas barrier inside the container around the product. The container includes a label ply (15). The label ply (15) defines at least one aperture (17) therethrough. The cutting of the at least one aperture (17) in the label ply (15) is registered. The body ply (12) defines at least one aperture (16) therethrough corresponding to the at least one aperture (17) in the label ply (15). The body ply (12) is wrapped around the previously wrapped liner ply (14) on the mandrel and then the label ply (15) is wrapped around the previously wrapped body ply (12) and liner ply (14) so that the apertures in the label ply are aligned with apertures in the body ply to create a tubular shape having a viewing window through both body plies. <IMAGE>

IPC 1-7

B65D 3/22; **B65D 25/54**; **B31B 1/82**

IPC 8 full level

B31B 1/82 (2006.01); **B31B 50/83** (2017.01); **B31C 3/02** (2006.01); **B65D 3/22** (2006.01); **B65D 25/54** (2006.01)

CPC (source: EP)

B31C 3/02 (2013.01); **B65D 3/22** (2013.01); **B65D 25/54** (2013.01); **B31B 50/83** (2017.07)

Citation (search report)

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- [A] GB 2074124 A 19811028 - FERRY PICKERING SALES LTD
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