

Title (en)
METHOD AND MACHINE FOR MAKING A STOPPER FOR THE NECK OF A CONTAINER, AND STOPPER AS PRODUCED BY THIS METHOD

Title (de)
VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES VERSCHLUSSES FÜR EINEN HALS EINES BEHÄLTERS, SOWIE EIN DURCH DIESES VERFAHREN HERGESTELLTER VERSCHLUSS

Title (fr)
PROCÉDÉ ET MACHINE DE FABRICATION D'UN BOUCHON POUR UN COL DE RÉCIPIENT, AINSI QUE BOUCHON TEL QU'OBTENU PAR CE PROCÉDÉ

Publication
EP 2227361 B1 20130501 (FR)

Application
EP 08853208 A 20081105

Priority
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• FR 0707790 A 20071106

Abstract (en)
[origin: WO2009068778A2] This method makes a stopper (1) from a tubular skirt (12) suitable for enclosing a neck of a container and provided both with means of permanent retention around the neck and means of removable attachment to the neck. The method involves moving, relative to each other, the skirt and a blade (110) in rotation about the axis (X-X) of the skirt in such a way that the blade cuts into the skirt a peripheral weakening line comprising through slots and, between these slots running around the periphery of the skirt, breakable bridges which connect, in the axial direction, a non-removable part of the skirt that has retention means, to a removable part of the skirt which has means of attachment. In order to improve the method in a simple and economical manner, the skirt and the blade are rotated relative to each other around an angular path strictly greater than 360° while gradually modifying the relative axial position between the skirt and the blade by an axial translation (T). The weakening line thus assumes the form of a helix whose two extreme ends define between themselves a non-breakable segment that permanently connects together the removable and non-removable parts of the skirt.

IPC 8 full level
B26D 3/11 (2006.01); **B26D 1/20** (2006.01); **B26D 3/12** (2006.01); **B65D 41/34** (2006.01)

CPC (source: EP US)
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B26D 3/12 (2013.01 - EP US); **B26F 2210/04** (2013.01 - EP US); **B65D 2401/30** (2020.05 - EP); **Y10T 29/49826** (2015.01 - EP US);
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