Title (en)

POURING ELEMENT AND COMPOSITE PACKAGE WITH IMPROVED OPENING BEHAVIOUR

Title (de)

AUSGIESSELEMENT UND VERBUNDPACKUNG MIT VERBESSERTEM ÖFFNUNGSVERHALTEN

Title (fr)

ÉLÉMENT DE DÉVERSEMENT ET EMBALLAGE COMPOSITE À COMPORTEMENT D'OUVERTURE AMÉLIORÉ

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2022189028A1] The invention relates to a pouring element (1, 1') for a composite packaging (P, P'), comprising: - a main body (3, 3') having a flange (4, 4'), a hollow-cylindrical spout (5, 5') which defines a central axis (Z) and a closure part (6, 6') which is formed in the spout (5, 5') and extends substantially orthogonally to the central axis (Z), having a central region (8, 8') and a zone of weakness (7, 7') extending annularly around the central region (8, 8'), wherein between the zone of weakness (7, 7') and the central region (8, 8') is formed an annular cone-shaped intermediate region (9, 9'), - a hollow-cylindrical cutting element (11, 11') which is movably guided in the spout (5, 5') and has at least one cutting tooth (12, 12') for severing the zone of weakness (7, 7') in order to open the spout (5, 5') and composite packaging, - a reclosable screw cap (2, 2') which serves to drive the cutting element (11, 11') when the composite packaging is opened for the first time. Also described are two alternative composite packagings (P, P') for liquid food products which are designed in such a way that a pouring element according to the invention is integrated into the gable region of the composite packaging. In order to make a clearly defined and smooth cutting process possible, the cutting element (11, 11') and the closure part (6, 6') are designed in such a way that at least one part of a projection of the cutting tooth (12, 12') parallel to the central axis (Z) lies on the intermediate region (9, 9').

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