

Title (en)
DEVICE FOR OPENING AND RECLOSING PACKAGES CONTAINING FOOD

Title (de)
VORRICHTUNG ZUM ÖFFNEN UND WIEDERVERSCHLIESSEN VON LEBENSMITTEL ENTHALTENDEN PACKUNGEN

Title (fr)
DISPOSITIF D'OUVERTURE ET DE REFERMETURE D'EMBALLAGES CONTENANT DES ALIMENTS

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Application
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Abstract (en)
[origin: WO2014124794A1] The invention relates to a device for opening and reclosing packages (P) containing food, in particular composite cardboard/plastic packages, comprising a pouring element (1) with a circumferential flange (2) for securing on the package (P), a pouring nozzle (3), a cutting element (4) which is arranged in the interior of the nozzle (3) and which comprises a plurality of teeth (6) arranged over the circumference and oriented towards the package, and a screw cap (5). The cutting element (4) cuts a pour opening into the composite film material by means of a rotational movement of the screw cap (5) when the package (P) is opened for the first time. The aim of the invention is to reduce the required opening force even further when opening food packages for the first time and to distribute the opening force in a uniform manner as much as possible over the entire opening process. This is achieved in that the teeth (6) of the cutting element (4) have a high gradient at the tip of the teeth, a flatter gradient on the flanks of the teeth, and a high gradient again at the base of the teeth.

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Cited by
US10676261B2; US11718457B2

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