

Title (en)
SUCTION CUP GRIPPING HEAD FOR THE OPENING OF A PAPER OR CARDBOARD TRAY AND RELATIVE METHOD OF OPENING A TRAY

Title (de)
SAUGNAPFGREIFER ZUM DEMONTIEREN VON EINER UMVERPACKUNG AUS PAPIER ODER KARTON UND VERFAHREN ZUM DEMONTIEREN EINER UMVERPACKUNG

Title (fr)
VENTOUSE DE PRÉHENSION POUR DÉMONTER UN EMBALLAGE EN PAPIER OU CARTON ET PROCÉDÉ DE DÉMONTAGE D'UN EMBALLAGE

Publication
EP 3235746 A1 20171025 (EN)

Application
EP 17167236 A 20170420

Priority
IT UA20162846 A 20160422

Abstract (en)
A suction cup gripping head for the opening of a paper or cardboard tray identifying a quadrilateral perimeter of adjustable size comprises four gripper elements (43) placed in pairs at the ends of two opposite sides of the perimeter, associable with pairs of opposite glued flaps, outer and inner, (111A, 111'A) of the tray (111), in which each gripper element (43) is equipped with a first set of inner suction cups (44) that are engageable from the inside against the inner glued flap (111'A) of the tray, and a tear device that is engageable from the outside against the outer glued flap (111A) of the tray, in which the tear device is applied to an arm (46) tilting about a fulcrum (47) adapted to detach the outer glued flap (111A) of the tray with its own rotary movement. The relative method for opening a paper or cardboard tray is also part of the invention.

IPC 8 full level
B65B 69/00 (2006.01)

CPC (source: EP)
B65B 69/00 (2013.01); **B65B 43/305** (2013.01)

Citation (search report)

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CN109249472A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3235746 A1 20171025; EP 3235746 B1 20190130; ES 2721199 T3 20190729; IT UA20162846 A1 20171022

DOCDB simple family (application)
EP 17167236 A 20170420; ES 17167236 T 20170420; IT UA20162846 A 20160422