

Title (en)
CUTTING AND MOVING APPARATUS

Title (de)
SCHNEID- UND BEWEGUNGSVORRICHTUNG

Title (fr)
APPAREIL DE DÉCOUPE ET DE DÉPLACEMENT

Publication
EP 2296980 B1 20130213 (EN)

Application
EP 09772773 A 20090624

Priority
• GB 2009001575 W 20090624
• GB 0812144 A 20080703

Abstract (en)
[origin: WO2010001093A2] The invention relates to apparatus and a method for use in the removal of items from a package so as to allow the items, which in one embodiment are empty containers, to be moved onwardly to a location at which the containers are filled. The items are provided as a group enclosed within sheet material to form a package. The apparatus includes a blade provided with a series of teeth formed therein and the blade is moved onto the sheet material at one side of the package such that the teeth of the blade puncture the same and then as the blade is moved further the cut line is formed. The blade can be moved through the package to perform the cutting action on the opposing wall of the package. Sheet material removal means and movement means for moving the freed items onwardly are also provided, with the movement means allowing the leading row of the group of containers to be separated and moved from the remainder of the group of containers in a particularly efficient manner. The invention provides an automated or semi-automated apparatus to be provided.

IPC 8 full level
B65B 69/00 (2006.01)

CPC (source: EP GB)
B65B 69/00 (2013.01 - GB); **B65B 69/0033** (2013.01 - EP); **B65B 61/06** (2013.01 - EP)

Citation (examination)
• US 5419095 A 19950530 - YOHE PETER D [US]
• DE 1922327 U 19650826 - KALLE AG [DE]

Designated contracting state (EPC)
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 SE SI SK TR

DOCDB simple family (publication)
WO 2010001093 A2 20100107; WO 2010001093 A3 20100311; EP 2296980 A2 20110323; EP 2296980 B1 20130213;
GB 0812144 D0 20080806; GB 201008774 D0 20100714; GB 2466915 A 20100714; GB 2466915 B 20121010

DOCDB simple family (application)
GB 2009001575 W 20090624; EP 09772773 A 20090624; GB 0812144 A 20080703; GB 201008774 A 20090624