

Title (en)
METHOD OF MANUFACTURING A PACKAGING UNIT WITH SEVERAL CARDBOARD BOXES

Publication
EP 0260345 A3 19890322 (DE)

Application
EP 86116901 A 19861204

Priority
US 90876986 A 19860918

Abstract (en)
[origin: US4742917A] This disclosure depicts a novel apparatus for packaging components in a multiple type packaging arrangement which permits the multiply packaged components to either be opened as an entire unit or individually. In particular, this packaging arrangement comprises a plurality of aligned, open ended boxes having disposed over the open ends a U-shaped sheet, the sheet having a middle flat plane and two planes depending therefrom at right angles thereto, the middle plane sealing the open ends of the boxes. The U-shaped sheet dimensioned such that it will overlap the plurality of aligned open ended boxes and the U-shaped sheet having score marks therein corresponding with the ends of the individual boxes permitting individual boxes or groups thereof to be broken away from the plurality. The U-shaped sheet also having a frangible strip by which the open area of the boxes may be exposed either individually or as a group by tearing the frangible strip, thereby allowing the flat plane of the U-shaped sheet to pivot and expose the open ends of the boxes.

IPC 1-7
B65D 5/54

IPC 8 full level
B65D 5/32 (2006.01); **B65D 5/54** (2006.01)

CPC (source: EP US)
B65D 5/327 (2013.01 - EP US); **B65D 5/5495** (2013.01 - EP US)

Citation (search report)
• [A] US 2205437 A 19400625 - RINGLER WILLIAM A
• [A] CH 382645 A 19640930 - HANS WOERLEN AG [CH]
• [A] FR 2196273 A1 19740315 - NEHER AG [CH]
• [A] DE 2931118 A1 19800221 - LION FAT OIL CO LTD
• [A] DE 2934493 A1 19800417 - SIG SCHWEIZ INDUSTRIEGES
• [A] DE 3340918 A1 19850530 - BERGADER KAESEWERK BASIL WEIXL [DE]

Cited by
WO0071427A1; DE19710130A1; NL1012113C2; WO2021089537A1; EP2143651A1; DE102011100829A1; WO0071428A1; WO0071429A1; WO0071438A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0260345 A2 19880323; EP 0260345 A3 19890322; EP 0260345 B1 19911030; DE 3682284 D1 19911205; ES 2027635 T3 19920616; MX 165820 B 19921207; US 4742917 A 19880510

DOCDB simple family (application)
EP 86116901 A 19861204; DE 3682284 T 19861204; ES 86116901 T 19861204; MX 836587 A 19870918; US 90876986 A 19860918