

Title (en)
STACKED ARTICLE PACKAGING METHOD

Title (de)
VERPACKUNGSVERFAHREN FÜR GESTAPELTE GEGENSTÄNDE

Title (fr)
PROCEDE D'EMBALLAGE D'ARTICLES EMPILES

Publication
EP 0686118 B1 19980520 (EN)

Application
EP 94910788 A 19940228

Priority
• US 9402176 W 19940228
• US 2266193 A 19930301
• US 3701793 A 19930325

Abstract (en)
[origin: WO9420369A1] A method for continuously forming stacked article groups, comprising the steps of supplying at least two streams of articles, each at a predetermined vertically distinct level; forming and longitudinally transporting a stream of first article groups having at least one article, at a first level; placing a support base on a top surface of each first article group; and forming a second article group, having at least one article, at a second level on top of the support base of each longitudinally moving first article group, whereby stacked article groups are formed. The stacked article groups are subsequently processed for packaging.

IPC 1-7
B65B 35/50; **B65B 21/06**; **B65B 27/04**; **B65B 35/40**; **B65B 35/54**

IPC 8 full level
B65B 21/06 (2006.01); **B65B 5/10** (2006.01); **B65B 35/40** (2006.01); **B65B 35/50** (2006.01); **B65B 61/20** (2006.01)

CPC (source: EP KR)
B65B 5/106 (2013.01 - EP); **B65B 21/06** (2013.01 - KR); **B65B 27/04** (2013.01 - KR); **B65B 35/405** (2013.01 - EP);
B65B 35/50 (2013.01 - EP KR); **B65B 61/207** (2013.01 - EP)

Citation (examination)
GB 1223172 A 19710224 - HOEFLIGER OTTO [DE], et al

Cited by
US10035663B2; US10894672B2; US11577915B2

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

DOCDB simple family (publication)
WO 9420369 A1 19940915; AT E166304 T1 19980615; AU 6355694 A 19940926; BR 9405946 A 19951226; CA 2153308 A1 19940915;
CA 2153308 C 19981208; DE 69410446 D1 19980625; DE 69410446 T2 19981224; EP 0686118 A1 19951213; EP 0686118 B1 19980520;
ES 2117993 T3 19980901; FI 954058 A0 19950830; FI 954058 A 19951018; JP 3798423 B2 20060719; JP H08509938 A 19961022;
KR 960700934 A 19960224; NO 953418 D0 19950831; NO 953418 L 19951031; NZ 263027 A 19971024

DOCDB simple family (application)
US 9402176 W 19940228; AT 94910788 T 19940228; AU 6355694 A 19940228; BR 9405946 A 19940228; CA 2153308 A 19940228;
DE 69410446 T 19940228; EP 94910788 A 19940228; ES 94910788 T 19940228; FI 954058 A 19950830; JP 52009894 A 19940228;
KR 19950703774 A 19950901; NO 953418 A 19950831; NZ 26302794 A 19940228