

Title (en)  
APPARATUS FOR FORMING PACKAGES

Publication  
**EP 0004744 B1 19830216 (EN)**

Application  
**EP 79300505 A 19790328**

Priority  
US 89237778 A 19780331

Abstract (en)  
[origin: EP0049377A1] A packaging apparatus is disclosed having an apparatus for supplying articles of a circular cross-section in longitudinally moving transversely aligned rows. The supplying apparatus includes means (10) for arranging the articles in internested columns wherein transversely adjacent articles are longitudinally offset, and an aligning device (14) for moving adjacent articles into transverse rows. The aligning device includes guide means (18) defining a separate path (22) for each column of articles, the paths varying in length in accordance with the longitudinal offsetting of the transversely adjacent articles when internested.

IPC 1-7  
**B65B 11/10**; **B65D 71/00**

IPC 8 full level  
**B65B 11/10** (2006.01); **B65B 11/16** (2006.01); **B65B 17/00** (2006.01); **B65B 35/10** (2006.01); **B65B 49/00** (2006.01)

CPC (source: EP)  
**B65B 11/10** (2013.01)

Cited by  
EP0229452A1; AU587504B2; US5463846A

Designated contracting state (EPC)  
BE CH DE FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0049377 A1 19820414**; AU 4541979 A 19791004; AU 532583 B2 19831006; CA 1107632 A 19810825; EP 0004744 A2 19791017; EP 0004744 A3 19791031; EP 0004744 B1 19830216; JP S555380 A 19800116; MX 149750 A 19831215; ZA 791322 B 19800430

DOCDB simple family (application)  
**EP 81107023 A 19790328**; AU 4541979 A 19790322; CA 323934 A 19790321; EP 79300505 A 19790328; JP 3631879 A 19790329; MX 17713879 A 19790330; ZA 791322 A 19790320