

Title (en)
TUBE DISC

Publication
EP 0262443 B1 19910327 (DE)

Application
EP 87112848 A 19870903

Priority
CH 367586 A 19860912

Abstract (en)
[origin: US4848689A] A package former support device or package tube support device for a double-armed cradle comprises a package tube support member which is provided with a detent or latching element which operatively engages or latches in an opening or notch in the package tube to prevent relative rotation between the package tube and the package tube support member.

IPC 1-7
B65H 54/553

IPC 8 full level
B65H 54/553 (2006.01)

CPC (source: EP US)
B65H 54/553 (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Cited by
DE3829149C1; EP2308787A3; DE10218993A1; US6889933B2

Designated contracting state (EPC)
CH DE GB IT LI

DOCDB simple family (publication)
EP 0262443 A1 19880406; EP 0262443 B1 19910327; DE 3768898 D1 19910502; JP S6371074 A 19880331; US 4848689 A 19890718

DOCDB simple family (application)
EP 87112848 A 19870903; DE 3768898 T 19870903; JP 22215087 A 19870907; US 9476387 A 19870910