

Title (en)  
Fabric stack shingler.

Title (de)  
Vorrichtung zum Überlappen von Stoffstücken eines Stapels.

Title (fr)  
Appareil pour faire se chevaucher les pièces d'une pile de tissu.

Publication  
**EP 0442723 A1 19910821 (EN)**

Application  
**EP 91301165 A 19910213**

Priority  
US 47947290 A 19900213

Abstract (en)  
For roughly shingling stacks composed of flexible planar objects, such as fabric workpieces, a stack is placed over an axis connecting two hinged support surfaces (112, 114) one (114) of which is rotated relative to the other (112) to bend the workpieces and form a shingle with the trailing end of the stack (122) clamped to the first one (112, Fig. 2C). The other, leading end of the stack (122) is then clamped (Fig. 2D), the trailing end is released (Fig. 2E), and the support surfaces made parallel (Fig. 2F). For subsequent shingling, the rough shingled stack is driven on a conveyor (210) under a series of spreading rollers (222) having positive pressure to drive the rollers (222) onto the stack. <IMAGE>

IPC 1-7  
**B65H 29/66**

IPC 8 full level  
**D06H 7/00** (2006.01); **B65H 3/60** (2006.01); **B65H 3/62** (2006.01); **B65H 5/24** (2006.01); **B65H 29/66** (2006.01)

CPC (source: EP)  
**B65H 3/60** (2013.01); **B65H 29/6654** (2013.01); **B65H 2511/22** (2013.01)

Citation (search report)  
• [AD] US 4008890 A 19770222 - PULDA WILLIAM F  
• [A] GB 2061235 A 19810513 - GRAPHIA HOLDING AG  
• [A] US 4727784 A 19880301 - SARKA ALBERT J [US], et al  
• [A] EP 0075121 A1 19830330 - FERAG AG [CH]

Cited by  
CN108517677A; CN107915089A; CN112048898A

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

DOCDB simple family (publication)  
**EP 0442723 A1 19910821**; **EP 0442723 B1 19950726**; AT E125514 T1 19950815; CA 2036146 C 19941115; DE 69111484 D1 19950831; DE 69111484 T2 19960307; JP 2603570 B2 19970423; JP H07304531 A 19951121

DOCDB simple family (application)  
**EP 91301165 A 19910213**; AT 91301165 T 19910213; CA 2036146 A 19910212; DE 69111484 T 19910213; JP 21669991 A 19910213