

Title (en)  
CONVEYORS FOR SIGNATURES

Publication  
**EP 0374917 A3 19900725 (DE)**

Application  
**EP 89123657 A 19891221**

Priority  
US 28918988 A 19881223

Abstract (en)  
[origin: EP0374917A2] A signature conveyor comprises a first conveying means (64) which conveys signatures (40) in sequence to a delivery station (60). At the delivery station (60), the signatures (40) are transferred in sequence to a receiving conveying means (74). A shaping device (126) is positioned at the delivery station (60) in order to reinforce the signatures (40) by shapings (132) being formed in the signatures (40), which shapings extend between their front and their rear end parts (46, 48). Although the shapings (132) are only maintained in the signatures (40) temporarily, the shaping device (126) is mounted sufficiently near to the receiving conveying means (74) for a shaping (132) in a signature (40) to be able to be maintained while the front end part (46) of the signature (40) moves towards the receiving conveying means (74). Thus the shaping device (126) is situated at a distance from the receiving conveying means (74) which is less than the distance between the front and the rear end parts (46, 48) of the signatures (40). <IMAGE>

IPC 1-7  
**B41F 13/62**; B65H 45/22; B65H 45/16

IPC 8 full level  
**B65H 29/40** (2006.01); **B41F 13/54** (2006.01); **B65H 29/12** (2006.01); **B65H 29/70** (2006.01); **B65H 45/30** (2006.01)

CPC (source: EP)  
**B41F 13/54** (2013.01); **B65H 29/12** (2013.01); **B65H 29/40** (2013.01); **B65H 29/70** (2013.01); **B65H 2404/261** (2013.01)

Citation (search report)  
• [A] EP 0068341 A1 19830105 - FRANKENTHAL AG ALBERT [DE]  
• [A] EP 0205116 A2 19861217 - FRANKENTHAL AG ALBERT [DE]

Cited by  
DE102006054419A1; FR2733453A1; US5707054A

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0374917 A2 19900627**; **EP 0374917 A3 19900725**; **EP 0374917 B1 19930915**; **EP 0374917 B2 20010411**; CA 2006472 A1 19900623; CA 2006472 C 19950110; DE 3942502 A1 19900628; DE 3942502 C2 19950601; DE 58905626 D1 19931021; JP 2644601 B2 19970825; JP H02231362 A 19900913

DOCDB simple family (application)  
**EP 89123657 A 19891221**; CA 2006472 A 19891221; DE 3942502 A 19891222; DE 58905626 T 19891221; JP 33617189 A 19891225