

Title (en)  
FOLDING ASSEMBLY AND METHOD FOR FOLDING AN OVERLAPPING STREAM OF PRODUCTS

Title (de)  
FALZAGGREGAT UND VERFAHREN ZUM FALZEN EINES SCHUPPENSTROMS VON PRODUKTEN

Title (fr)  
UNITÉ DE PLIAGE ET PROCÉDÉ POUR PLIER UN FLUX IMBRIQUÉ DE PRODUITS

Publication  
**EP 2462043 A1 20120613 (DE)**

Application  
**EP 10734898 A 20100714**

Priority  
• CH 12122009 A 20090803  
• CH 2010000182 W 20100714

Abstract (en)  
[origin: WO2011014968A1] The invention relates to a folding assembly and a method for folding products (10), in particular printed products. The device comprises a conveying apparatus for conveying the products (10) to be folded as an overlapping stream in a conveying direction (F1), which corresponds to the folding direction, an erecting unit, and a pressing unit. The erecting unit has guide surfaces for the product parts (10a, 10b) on both sides of the fold (12) to be produced, the guide surfaces being arranged in a V shape and including an angle that is reduced in the conveying direction. The products (10) are thereby folded in the area of the fold (12) to be produced. The pressing unit presses the product parts toward each other in the area of the fold (12) to be produced and fixes the previously produced crease to form the fold. The orientation of the guide surfaces is designed to match the incoming overlapping formation (S2) in such a way that when running through the erecting unit, the products (10) enclose the leading edges (13) of the following product (10) between the product parts (10a, 10b) of said products. Thus, the products (10) are partially arranged in the respective preceding product (10) when said products run through the pressing unit and after said products are folded. The invention enables the processing of an incoming overlapping formation (S2) directly after the outlet of a rotary printing press without relocating said overlapping formation.

IPC 8 full level  
**B65H 45/22** (2006.01); **B65H 5/24** (2006.01)

CPC (source: EP)  
**B65H 29/66** (2013.01); **B65H 45/22** (2013.01)

Citation (search report)  
See references of WO 2011014968A1

Cited by  
DE202016102121U1; EP3109191A1; US10717556B2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011014968 A1 20110210**; CH 701622 A1 20110215; EP 2462043 A1 20120613; EP 2462043 B1 20130814

DOCDB simple family (application)  
**CH 2010000182 W 20100714**; CH 12122009 A 20090803; EP 10734898 A 20100714