

Title (en)

DEVICE AND METHOD FOR SELECTIVELY CROSS FOLDING OF SEQUENTIALLY PRINTED SHEETS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM WAHLWEISEN QUERFALZEN SEQUENZIELL BEDRUCKTER DRUCKBOGEN

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR LE PLIAGE TRANSVERSAL SÉLECTIVE DE FEUILLES IMPRIMÉES EN SÉQUENCE

Publication

**EP 3597430 B1 20201118 (DE)**

Application

**EP 19185938 A 20190712**

Priority

CH 8802018 A 20180717

Abstract (en)

[origin: JP2020011846A] To provide a device and a method that enable manufacturing a printed product comprised of first printed paper that is laterally folded and second printed paper that is not folded.SOLUTION: An air compression device 17 of a device 1 includes a first controlling element 24 that is connected to a controlling unit 23 and is for inducing or controlling compressed air blast from at least one of outlet openings of the air compression device. Thereby printed paper can be induced into a second transportation segment 28 for folding or into a third transportation segment 32 for bypassing folding. A third transportation segment merges into the second transportation segment 28 at a common second middle point 29 at the downstream of a folding roll 12, and a fourth transportation segment 36 is connected at the downstream. As the first sequence of the printed paper continuing on the first transportation segment 5 is the same as the second sequence of the printed paper continuing on the fourth transportation segment, the third transportation segment is formed longer than the second transportation segment or can be operated slower than the second transportation segment.SELECTED DRAWING: Figure 1

IPC 8 full level

**B41F 13/60** (2006.01); **B41F 21/00** (2006.01); **B42C 19/08** (2006.01); **B65H 5/26** (2006.01); **B65H 29/24** (2006.01); **B65H 45/14** (2006.01); **B65H 45/18** (2006.01)

CPC (source: CN EP US)

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DE102022124182A1; EP4349610A2

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