

Title (en)  
DEVICE FOR FEEDING SHEETS

Title (de)  
VORRICHTUNG ZUM ZUFÜHREN VON BOGEN

Title (fr)  
DISPOSITIF D'ALIMENTATION DE FEUILLES

Publication  
**EP 4017820 A1 20220629 (DE)**

Application  
**EP 20756838 A 20200812**

Priority  
• EP 2020072618 W 20200812  
• DE 102019122494 A 20190821  
• DE 102019122495 A 20190821

Abstract (en)  
[origin: WO2021032567A1] The invention relates to a device for feeding sheets to a sheet-processing machine comprising at least one processing unit, the device having: a sheet separator (7) for separating the sheets from a stack in cycles and comprising transport suckers for transporting the sheets to a belt table (2), the belt table (2) having at least one circulating conveyor belt (14), which is guided via at least two belt rolls (12.1, 12.2, 12.3, 12.4, 12.5), at least one belt roll (12.1, 12.2, 12.3, 12.4, 12.5) being associated with a first drive (25), and a sheet flap connected to a pivotably mounted shaft being provided between the transport suckers and the at least one conveyor belt (14), the shaft being associated with a second drive (24) which pivots said sheet flap; a sheet arrival sensor, which is arranged between the belt table (2) and the processing unit and, for a sequence of sheets, generates first signals representing the arrival of the sheets; a clock generator, which generates second signals representing the angular position of the at least one processing unit; and a controller, which controls the first drive (25) depending on the second signals and controls the second drive (24) depending on the first and second signals.

IPC 8 full level  
**B65H 3/08** (2006.01); **B65H 11/00** (2006.01)

CPC (source: CN EP US)  
**B65H 3/02** (2013.01 - CN); **B65H 3/0816** (2013.01 - EP US); **B65H 5/021** (2013.01 - CN); **B65H 5/224** (2013.01 - US); **B65H 5/34** (2013.01 - US); **B65H 7/00** (2013.01 - US); **B65H 7/14** (2013.01 - CN); **B65H 7/20** (2013.01 - CN); **B65H 11/002** (2013.01 - US); **B65H 11/005** (2013.01 - EP US); **B65H 2513/10** (2013.01 - US); **B65H 2701/176** (2013.01 - CN); **B65H 2801/21** (2013.01 - EP US)

Citation (search report)  
See references of WO 2021032567A1

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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**WO 2021032567 A1 20210225**; CN 113614010 A 20211105; CN 113614010 B 20230428; EP 4017820 A1 20220629; EP 4017820 B1 20230621; ES 2950966 T3 20231017; US 11530102 B2 20221220; US 2022089391 A1 20220324

DOCDB simple family (application)  
**EP 2020072618 W 20200812**; CN 202080022982 A 20200812; EP 20756838 A 20200812; ES 20756838 T 20200812; US 202017600147 A 20200812