

Title (en)

DEVICE FOR CONVEYING A PROGRESSION OF OVERLAPPING SHEETS OF PAPER

Publication

EP 0075685 B1 19860122 (DE)

Application

EP 82107180 A 19820809

Priority

DE 3138481 A 19810928

Abstract (en)

[origin: US4647033A] A conveyor for sheets fed to or from a printing press in an overlapped stream, the table having longitudinal slots formed therein laterally spaced from one another. A perforated endless conveyor belt is trained over the table. An enclosed chamber extending substantially the length of the table communicates directly with the slots, the chamber being convergently shaped terminating at its lower end in a throat. An axial flow fan in the throat draws air through the perforations so that a stream of overlapped sheets on the belt will be held in contact therewith for transport from one end of the table to the other. The fan is chosen to have a flow characteristic such as to maintain the pressure differential across the fan approximately constant notwithstanding variations in the rate of air flow resulting from gaps in the stream. The belt is in two narrow, laterally spaced sections dimensioned to fit into the slots.

IPC 1-7

B65H 5/22

IPC 8 full level

B65H 5/22 (2006.01); **B65H 5/24** (2006.01); **B65H 29/24** (2006.01); **B65H 29/66** (2006.01)

CPC (source: EP US)

B65H 5/24 (2013.01 - EP US); **B65H 11/005** (2013.01 - EP US); **B65H 2406/321** (2013.01 - EP US); **B65H 2406/322** (2013.01 - EP US); **B65H 2801/21** (2013.01 - EP US)

Cited by

US4651984A; US5348285A; DE4203511A1; EP0212246A1; US6216848B1; WO0061478A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0075685 A1 19830406; **EP 0075685 B1 19860122**; AT E17561 T1 19860215; BR 8205307 A 19830816; DE 3138481 A1 19830601; DE 3138481 C2 19840510; DE 3268670 D1 19860306; JP S5869655 A 19830425; JP S63157064 U 19881014; US 4647033 A 19870303

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