

Title (en)
SHEET-TRANSFERRING DEVICE

Publication
EP 0303053 B1 19920909 (DE)

Application
EP 88110921 A 19880708

Priority
DE 3726780 A 19870812

Abstract (en)
[origin: JPS6469344A] PURPOSE: To supply a large amount of sheets per a unit time in a state that the sheets are correctly registered, by feeding the sheets by the frictional connection in an accelerating period, and driving a picking claw system at a peripheral velocity almost the same as that of an impression cylinder when the picking claw system transports the sheets in cooperation with a claw held by the impression cylinder. CONSTITUTION: The sheets are guided in a direction of an arrow (a) on a make-ready table 5, and guided by a feed belt 9, and a side position of the sheets are aligned. When a front edge of the sheet is brought into contact with a front gage 33, a control plate 28 rotates a lever 23 through a roller 25 against the action of a compression spring 27, whereby a rope 22 is rewound from a disc 21, a feed roller 18 is accelerated in a direction of an arrow (c), and a control shaft 30 rotates a revolving lever 31. The sheet is held between a feed roller 18 and an impression roller 32, the front edge of the sheet is moved toward a transfer cylinder 34 by the front gage 33, and the sheet is fed into a picking claw system 49. The transfer cylinder 34 is accelerated at a peripheral velocity almost same as that of the impression cylinder 4, and a picking claw 49 transfers the sheet to a picking claw 52.

IPC 1-7
B41F 21/05

IPC 8 full level
B41F 21/00 (2006.01); **B41F 21/05** (2006.01); **B41F 21/12** (2006.01); **B65H 9/16** (2006.01)

CPC (source: EP US)
B41F 21/05 (2013.01 - EP US); **B65H 9/163** (2013.01 - EP US)

Cited by
DE102004057842A1; DE4431682A1; DE4431682C2; DE4431683A1; DE4431683C2; DE4431680A1; DE4431680C2; DE4431684A1; DE4431684C2

Designated contracting state (EPC)
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