

Title (en)
COLLATING MACHINE

Title (de)
ZUSAMMENTRAGMASCHINE

Title (fr)
ASSEMBLEUSE

Publication
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Application
EP 11764082 A 20110721

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Abstract (en)
[origin: WO2012016562A1] A description is given of a collating machine having at least 2 stations, which are located one beside the other and each store a stack of identical printed sheets, and having a conveyor, which connects all the stations, wherein each station feeds a printed sheet to the part-block which has already been collated, and delivers the fully collated block at its end, in the case of which, according to the invention, each station has an upper magazine with separation in the downward direction and a lower magazine with separation in the upward direction. The printed sheets separated from an upper and a lower magazine are introduced into the longitudinal conveyor via pairs (15, 22) of withdrawal belts and added congruently to part-blocks which are already being conveyed. This can take place from above and beneath simultaneously or just from one side. The longitudinal conveyor, in each station, consists of lower and upper belts (6). Between the stations, there is gap, between the deflecting wheels of the belts, into which the newly separated sheets are introduced and fed in a precisely positioned manner from above and/or beneath, to the existing stack. Conveying the collated sheets between the belts (7, 8) allows a high transporting speed without the sheets flying upwards. Separation is achieved using suckers. Removal from the magazine already takes place in the conveying direction. Changes in direction are avoided as a result.

IPC 8 full level
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