

Title (en)
Pneumatic paper path

Title (de)
Pneumatische Papierführung

Title (fr)
Chemin d'alimentation de papier pneumatique

Publication
EP 0960845 A1 19991201 (EN)

Application
EP 99303804 A 19990517

Priority
US 8647298 A 19980528

Abstract (en)
A pneumatic transport system (10) moves a thin, flexible object (F) between two spaced positions. The pneumatic transport system includes an air module (12) having top and bottom plates (14,16) defining a transport channel (18) that receives a thin, flexible object, such as paper. A source of air directs an air flow through the transport channel and onto opposite sides of the thin, flexible object in a process. The top and bottom plates constrain the air flow while the air flow forms an air bearing between the thin, flexible object and the top and bottom plates. A transport path (30) as provided downstream from the air module in the process direction and communicates with the transport channel (18). The transport path (30) is defined by two closely spaced substantially parallel walls (32,34) that extend in the process direction. This transport path constrains the air flow and allows non-contact transport of the thin, flexible object through the transport path (30). An output device (12) downstream from the transport path (30) receives the thin, flexible object from the transport path (30). The transport path (30) may be flexible to allow dynamic connection to any one of several output devices. <IMAGE>

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CPC (source: EP)
B65H 5/228 (2013.01); **B65H 2406/11** (2013.01)

Citation (search report)
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