

Title (en)  
PRINTING SYSTEM

Title (de)  
DRUCKSYSTEM

Title (fr)  
SYSTÈME D'IMPRESSION

Publication  
**EP 3480024 B1 20200513 (EN)**

Application  
**EP 18202364 A 20181024**

Priority  
EP 17200420 A 20171107

Abstract (en)  
[origin: EP3480024A1] A printing system comprising: - a print station (16) disposed at a sheet transport path (18) diverging to at least two output paths (44); - a sheet feeder (10) arranged to feed a stream of media sheets (60) into the transport path (18) so as to be fed sequentially to the print station (16); - a duplex loop arranged to redirect sheets, onto which a first image has been printed on a first side, into the sheet transport path upstream of the print station; - a sheet ejector (64) disposed upstream of the print station and downstream of a junction of the duplex loop with the transport path for ejecting unsuitable sheets (60) from the transport path (18) to a discharge path (66); and - a controller (20) arranged to receive print instructions concerning printing multiple copies of at least one multi-page document (D1) and to schedule a print order of images to be consecutively printed on the sheets (60) such that the printed copies are fed to their respective output path in a predetermined page order, characterized in that: the controller (20) is further arranged to: - reserve at least two output paths (44) for receiving sheets (60) of the same document; - as long as no sheet has been rejected, direct the sheets to only one of the reserved output paths (44); and, - if a sheet returning from the duplex loop (50) is ejected by the sheet ejector (64), re-scheduling the print order and directing subsequent printed sheets to at least two of the reserved output paths (44) in a sequence preserving the page order in each of these output paths.

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