

Title (en)  
Sheet processing machine with three reversing cylinders

Title (de)  
Drei-Trommel-Wendeeinrichtung für bogenverarbeitende Maschine

Title (fr)  
Machine de traitement de feuilles avec trois cylindres de retournement

Publication  
**EP 1323526 B2 20111207 (DE)**

Application  
**EP 02026970 A 20021204**

Priority  
DE 10164255 A 20011227

Abstract (en)  
[origin: EP1323526A1] Sheet-fed rotary printing machine comprises a three-drum turning device (26) consisting of three transfer cylinders arranged in a row between the printing cylinders of two adjacent printing groups. The turning device consists of a transfer cylinder (27) and a storage drum (28) that are twice the size of or larger than the printing cylinders, and at least one turning drum (29) that is the same size as the printing cylinders. The transfer cylinder has an outer contour (35) that is smaller than the circular periphery (42) determined by grippers (40). The turning drum has an outer contour (46) that is smaller than the circular periphery (47) determined by grippers (43). <??>An Independent claim is also included for a process for transporting a sheet using a three-drum turning device in odd and in odd and even page printing.

IPC 8 full level  
**B41F 21/10** (2006.01); **B41F 21/00** (2006.01); **B65H 5/12** (2006.01); **B65H 5/38** (2006.01)

CPC (source: EP US)  
**B41F 21/106** (2013.01 - EP US)

Citation (opposition)  
Opponent :

- DE 3419762 A1 19851128 - HEIDELBERGER DRUCKMASCH AG [DE]
- DE 3422443 A1 19851219 - HEIDELBERGER DRUCKMASCH AG [DE]
- DE 9416106 U1 19941124 - HEIDELBERGER DRUCKMASCH AG [DE]

Cited by  
CN102794985A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**EP 1323526 A1 20030702; EP 1323526 B1 20090624; EP 1323526 B2 20111207**; AT E434521 T1 20090715; CN 1295079 C 20070117; CN 1428244 A 20030709; DE 10164255 A1 20030717; DE 50213633 D1 20090806; JP 2003334926 A 20031125; US 2003121433 A1 20030703; US 7325493 B2 20080205

DOCDB simple family (application)  
**EP 02026970 A 20021204**; AT 02026970 T 20021204; CN 02158484 A 20021225; DE 10164255 A 20011227; DE 50213633 T 20021204; JP 2002381338 A 20021227; US 33044102 A 20021227