

Title (en)  
DEVICE FOR ADVANCING AND ORIENTATING SHEETS IN SHEET-PROCESSING MACHINES

Publication  
**EP 0288700 B1 19910703 (DE)**

Application  
**EP 88103791 A 19880310**

Priority  
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• DE 3804576 A 19880213

Abstract (en)  
[origin: JPS641544A] PURPOSE: To convey and align a sheet in a sheet-processing printing machine with at least one frictionally driven ball supported so that it is rotary in all directions, and at least two frictional-force transmission sections located at the periphery of the ball and disposed at 90 deg. from one another. CONSTITUTION: The device 7 has two boxy low-pressure chambers 8, 9 on the same height. In the chambers 8, 9, a ball 18 is supported by four ball bearings 19-22 on a spherical surface so that it is rotatable in all directions at the fixed center M. It is frictionally driven by two frictional-force transmissions 30, 31 located at the periphery of the ball and disposed at 90 deg.C from one another. The transmissions 30, 31 have friction wheels 32, 33 driven by a motor. The edge of a sheet A is detected by a scanner 38 to start the transmissions 30, 31. The sheet A is forced in a slant direction to be aligned correctly by the ball 18 is driven to the direction 34 deg. slanted from the sheet feeding direction x when the wheels 32, 33 rotates at the same speed.

IPC 1-7  
**B65H 9/16**

IPC 8 full level  
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