

Title (en)

DEVICE FOR PRESSING A SHEET AGAINST THE IMPRESSION CYLINDER IN A ROTARY SHEET-FED PRINTING PRESS FOR MULTICOLOUR PRINTING

Publication

EP 0306684 B1 19920408 (DE)

Application

EP 88112090 A 19880727

Priority

DE 3730484 A 19870911

Abstract (en)

[origin: JPH01108044A] PURPOSE: To make it possible to transfer a multicolor sheet to an impression cylinder so that a subsequent sheet to be reversed thereto may not be wrinkled by using air flow pressure when printing not only a surface of the sheet but also the surface as well as the back thereof to have multicolor sheets press-fitted thereto. CONSTITUTION: An apparatus with a hollow air-blowing finger support tube 15 is provided so that a multicolor sheet 13 is press-fitted by blowing air to the surface of an impression cylinder 1 without any contact with the surface thereof as far as the point of tangency on a printing zone. The hollow air-blowing finger is disposed above the impression cylinder 1 and parallel to the axis thereof along the entire length of the impression cylinder 1. An air-blowing finger 14 is disposed in equidistant relationship to one another on a support tube 15 so that said finger may not be rotated. An air exit surface 18 and air exit orifice 17 of the air-blowing finger which are positioned at the downstream thereof are introduced to the point of tangency between suction devices of a sheet gripping mechanism in the printing zone and the air exit surface 18 is adapted to the contour of the impression cylinder 1. Thus, this makes the distance between the air-blowing fingers constant.

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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Cited by

DE4039311A1; EP0490087A1; DE29702626U1; EP0858889A3; DE19700370B4; EP0673767A1; DE10350621A1; FR2732926A1; DE4217813A1; US5398925A; DE4434778C1; US5598779A; DE4417054A1; US5537922A; DE4417054B4; US5156090A; EP0405166A3; DE3920730A1; US5086698A; EP0802053A1; DE19516374A1; DE19516374B4; DE29607087U1; DE102006060686B4; US6619201B1; EP0705689A1

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