

Title (en)
POWDER-DUSTING ARRANGEMENT

Title (de)
PUDERBESTÄUBUNGSEINRICHTUNG

Title (fr)
PULVERISATEUR A POUDRE

Publication
EP 0809574 A1 19971203 (DE)

Application
EP 96937226 A 19961025

Priority
• DE 19546720 A 19951214
• EP 9604635 W 19961025

Abstract (en)
[origin: DE19546720A1] The invention concerns a powder-dusting arrangement (4) which, within a printing press, applies a powder, e.g. of cornflour, to pre-dried printed products arriving from the printing unit. This arrangement comprises in a manner known per se a plurality of nozzles (6) which are charged with a mixture of powder and carrier air by a mixing arrangement (8). The nozzles (6) are disposed in the vicinity of the conveying plane defined by the printing press conveying system (1) and can be at two different spacings therefrom. Normally, the nozzles (6) are comparatively close to this conveying plane, and at such times the powder-carrier air mixture emerges from the nozzles (6) towards the printed products passing by. However, when a gripper arrangement (2), which is part of the conveying system (1) and holds the printed products firmly, approaches the nozzles (6), a corresponding control system (9 to 12) ensures that the nozzles move into a second position, in which there is sufficient space for the gripping arrangement (2) to pass between the underside of the nozzles (6) and the conveying plane of the conveying system (1).

IPC 1-7
B41F 23/06

IPC 8 full level
B41F 23/06 (2006.01)

CPC (source: EP US)
B41F 23/06 (2013.01 - EP US)

Citation (search report)
See references of WO 9721545A1

Cited by
DE102009041225A1

Designated contracting state (EPC)
CH DE FR GB IT LI NL

DOCDB simple family (publication)
DE 19546720 A1 19970619; DE 59602001 D1 19990701; EP 0809574 A1 19971203; EP 0809574 B1 19990526; JP H11500376 A 19990112; US 5823112 A 19981020; WO 9721545 A1 19970619

DOCDB simple family (application)
DE 19546720 A 19951214; DE 59602001 T 19961025; EP 9604635 W 19961025; EP 96937226 A 19961025; JP 52164197 A 19961025; US 86076597 A 19970712